

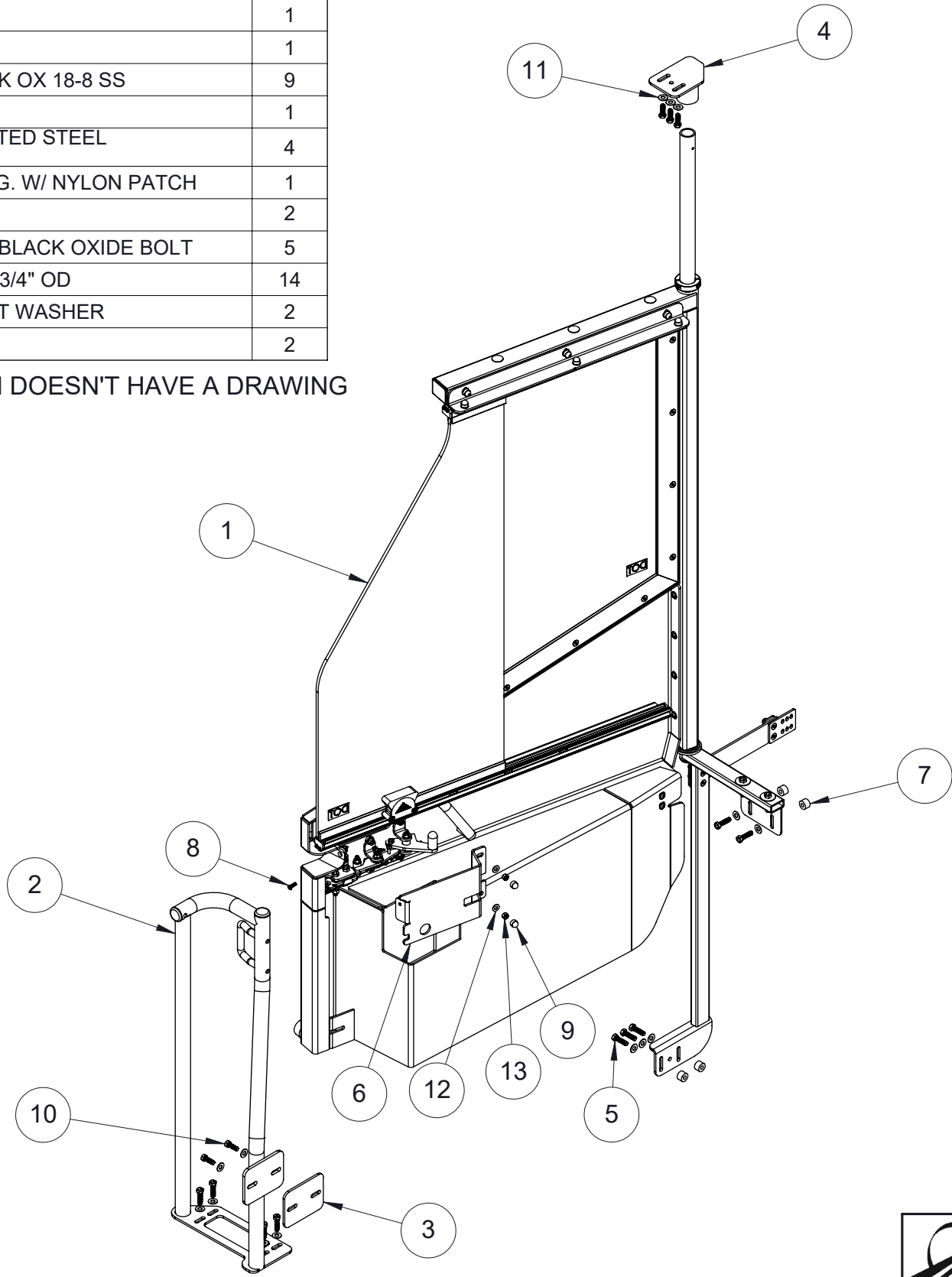



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No.	Drawing Number	Description	Qty.
1	AR0013910	MV308 COMPLETE DOOR ASSEMBLY	1
2	AR0013913	MV308 Stanchion Assy	1
3	AR0014140	MV308 STANCHION MOUNT PLATE	1
4	AR0013886	MV308 WELDED UPPER MOUNT SUB-ASSY	1
5	AR0011433	MV FASTENER 5/16-18 x 1-1/4 HEX HEAD BLACK OX 18-8 SS	9
6	AR0011254	MV308 LATCH COVER W/ PEM NUT	1
7	AR0011246	MV FASTENER 3/4" OD, 1/2 LENGTH, ZINC-PLATED STEEL UNTHREADED SPACER FOR 5/16 SCREW	4
8	AR0011049	FLAT HEAD SOCKET CAPSCREW 10-24 X .75 LG. W/ NYLON PATCH	1
9	AR0011048	MV ITEM - 1/4 Black Nylon Dome Cap	2
10	AR0010400	MV FASTENER 5/16-18 X 1.000" HEX HEAD SS BLACK OXIDE BOLT	5
11	AR0010122	FLAT WASHER - 18-8 SS BLACK OX - 11/32" ID, 3/4" OD	14
12	AR0007440	MV FASTENER 1/4" 18-8 S/S BLACK OXIDE FLAT WASHER	2
13	AR0004824	1/4-20 NYLON INSERT 18-8 S/S LOCK NUT	2

ITEMS 3-13 ARE INCLUDED IN HARDWARE KIT AR0018495 WHICH DOESN'T HAVE A DRAWING

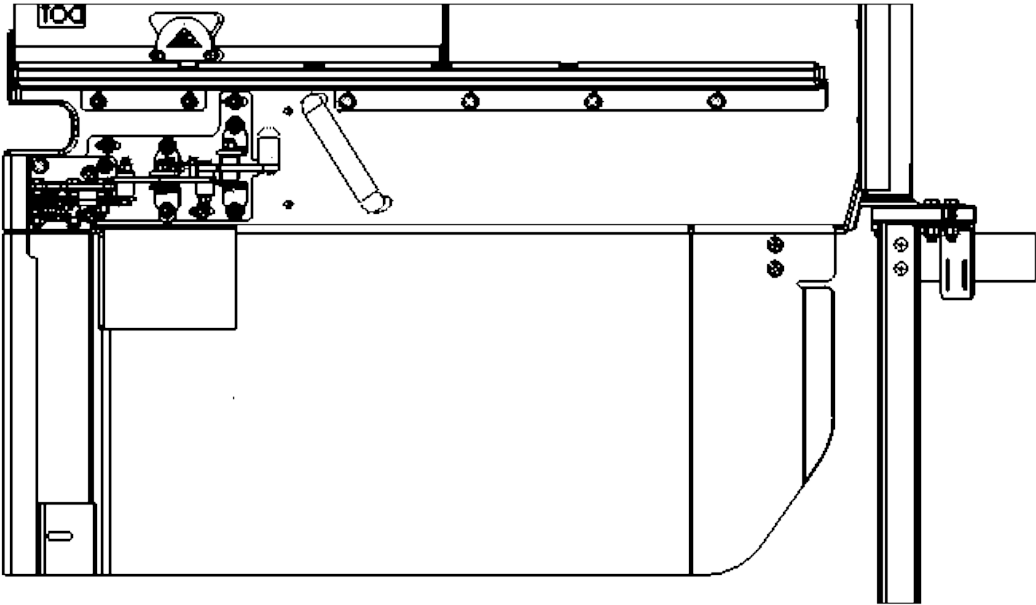
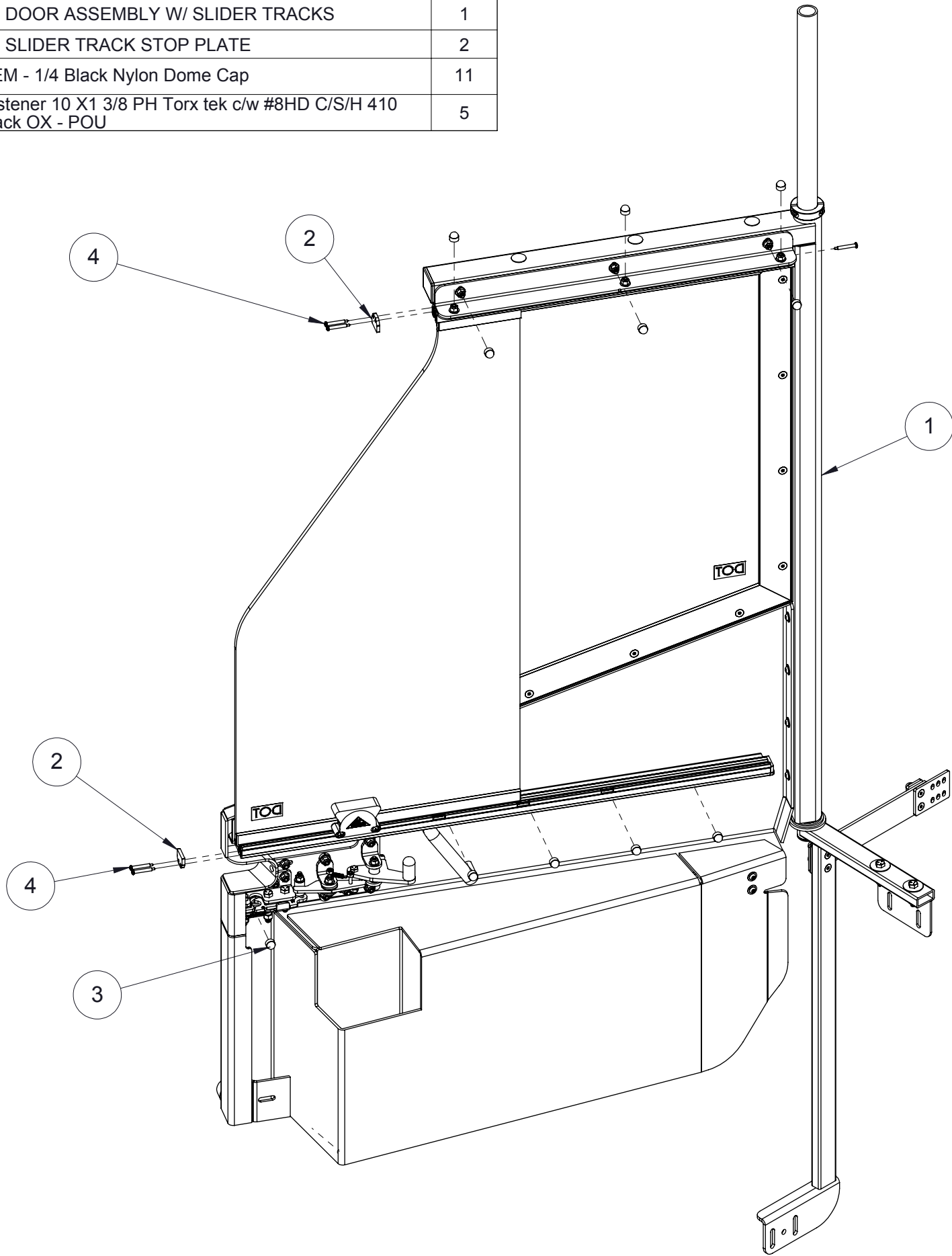
REVISION TABLE				
REV.	DATE	DESCRIPTION	BY	ECN
0	10/10/18	ISSUED	JL	18465




	ITEM NUMBER		WINDOW SIZE		CUSTOMER	
	DESCRIPTION		MV308 AROWGUARD COMPLETE ASSEMBLY			
TOTAL MASS: 122.58 lb	STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED:		DRAWING NUMBER MV3080026			
SHEET NUMBER 1 of 1	HOLES FRACTIONAL DECIMAL X.XX DECIMAL X.XXX		±0.005 ±1/32 ±0.03 ±0.010			
	DIVISION MV	SIZE B	DATE 10/10/18	SCALE 1:12	DRAWN BY JL	CHECKED -

No.	Drawing Number	Description	Qty.
1	AR0013911	MV308 DOOR ASSEMBLY W/ SLIDER TRACKS	1
2	AR0011819	MV308 SLIDER TRACK STOP PLATE	2
3	AR0011048	MV ITEM - 1/4 Black Nylon Dome Cap	11
4	0000562F	MV Fastener 10 X1 3/8 PH Torx tek c/w #8HD C/S/H 410 S/S Black OX - POU	5

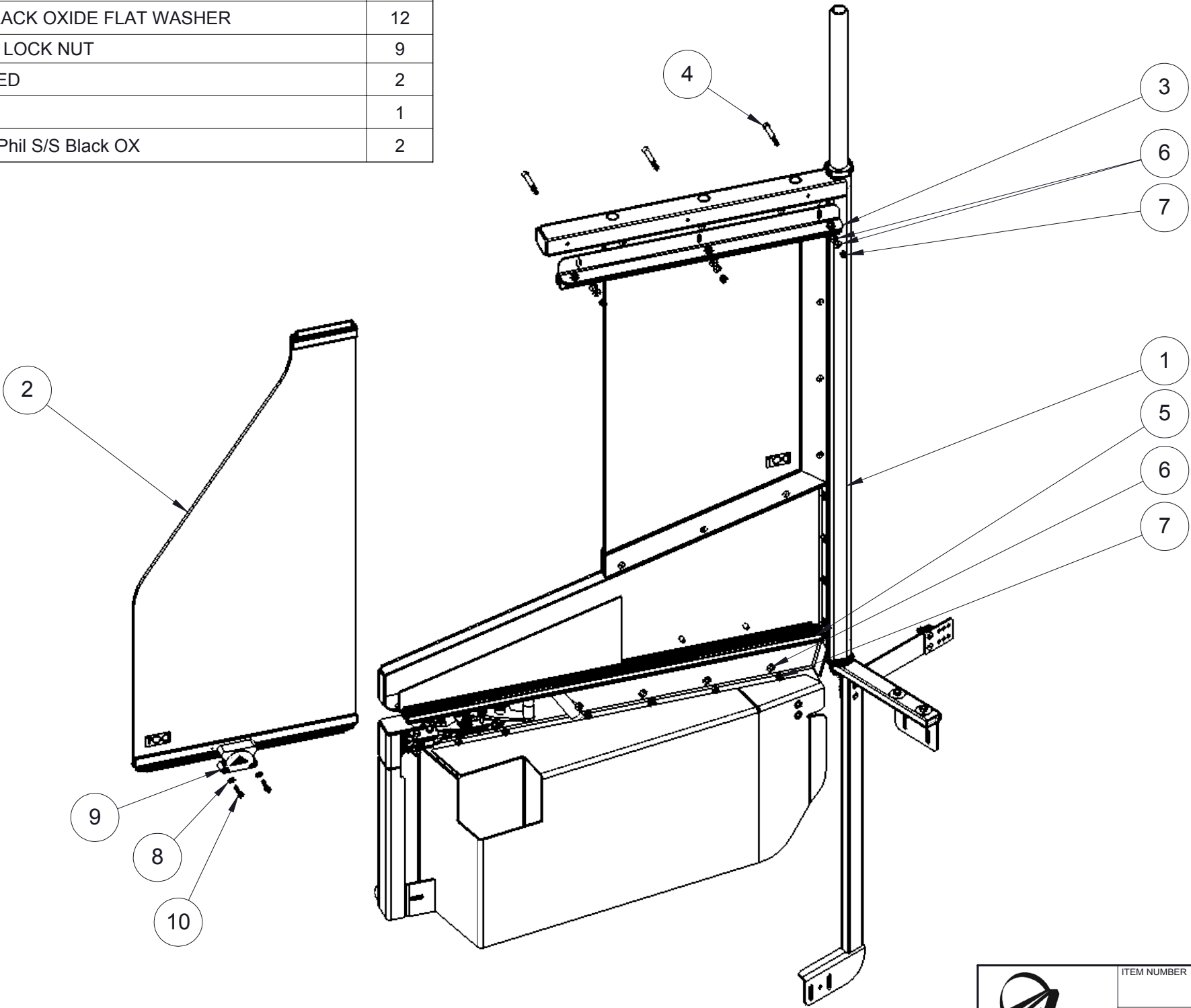
REVISION TABLE				
REV.	DATE	DESCRIPTION	BY	ECN
0	7/8/16	ISSUED	CM	16169ND




	ITEM NUMBER		WINDOW SIZE		CUSTOMER	
			-		NFI	
	DESCRIPTION		MV308 COMPLETE DOOR ASSEMBLY			
TOTAL MASS:	STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED:		DRAWING NUMBER		AR0013910	
107.37 lb	HOLES ±0.005					
SHEET NUMBER	FRACTIONAL ±1/32		DIVISION	SIZE	DATE	SCALE
1 of 1	DECIMAL X.XXX ±0.03		DPS	B	7/8/16	1:24
	DECIMAL X.XXX ±0.010					DRAWN BY
						CHECKED
						CM -

No.	Drawing Number	Description	Qty.
1	AR0012372	MV308 DOOR ASSEMBLY W/ HINGE POST	1
2	AR0013328	MV308 BONDED SLIDER SASH SUBASSEMBLY	1
3	AR0012363	MV308 UPPER SLIDER ASSY	1
4	AR0011050	Screw, Cap FH, 1/4-20 x 2.75" SS	3
5	AR0013912	MV308 LOWER SLIDER TRACK ASSY	1
6	AR0007440	MV FASTENER 1/4" 18-8 S/S BLACK OXIDE FLAT WASHER	12
7	AR0004824	1/4-20 NYLON INSERT 18-8 S/S LOCK NUT	9
8	AR0002926	SASH LOCK WASHER - SLOTTED	2
9	0000211A	MV SASH LOCK ASSY - BLACK	1
10	AR0013174	MV Fastener 10-32 X 1-3/16 PH Phil S/S Black OX	2

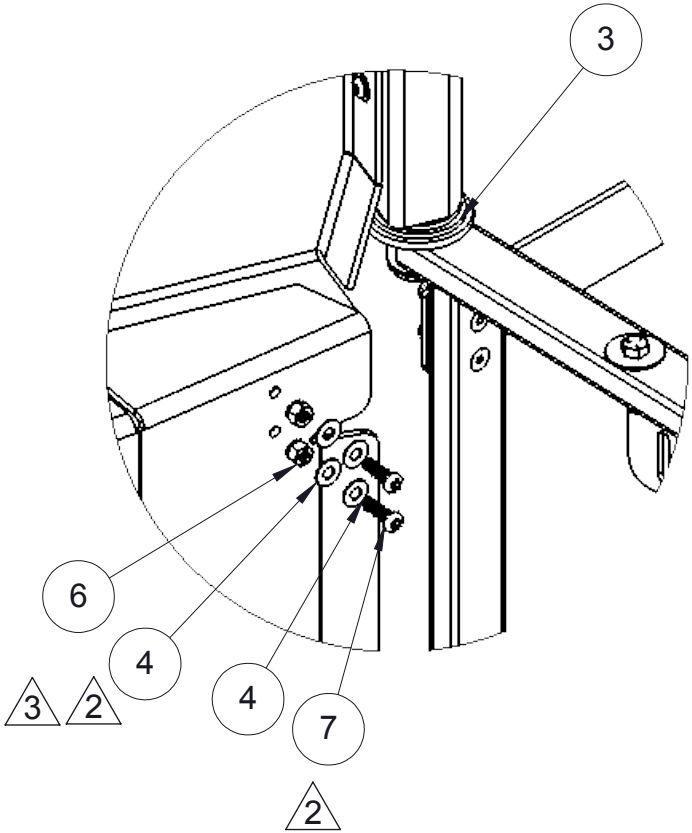
REVISION TABLE				
REV.	DATE	DESCRIPTION	BY	ECN
0	7/8/16	ISSUED	CM	16169ND



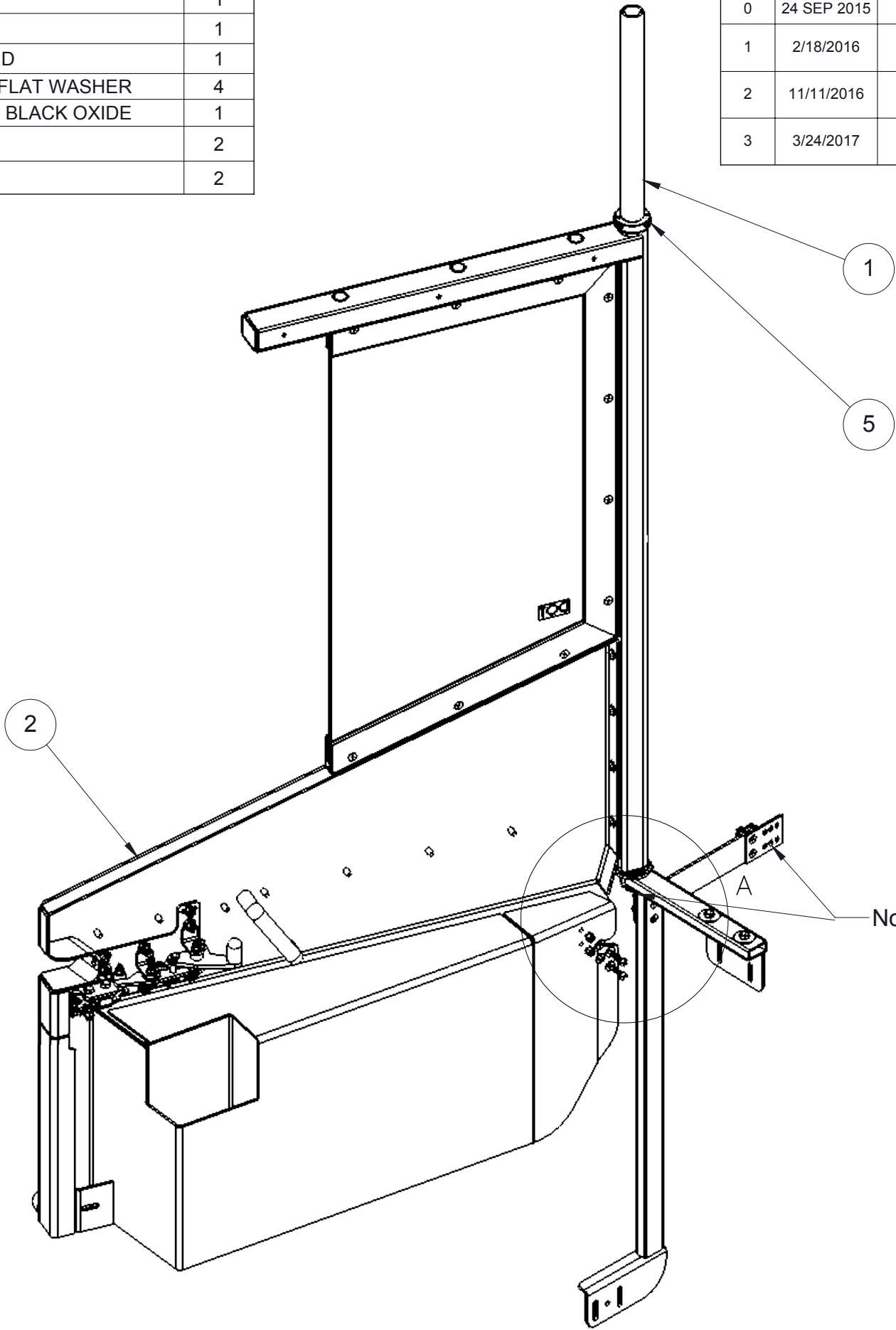
	ITEM NUMBER		WINDOW SIZE		CUSTOMER	
			-		NFI	
	DESCRIPTION		MV308 DOOR ASSEMBLY W/ SLIDER TRACKS			
TOTAL MASS:	STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED:		DRAWING NUMBER			
107.25 lb	HOLES ±0.005		AR0013911			
SHEET NUMBER	FRACTIONAL ±1/32	DIVISION	SIZE	DATE	SCALE	DRAWN BY
1 of 1	DECIMAL X.XX ±0.03	DP	B	7/8/16	1:32	CM
	DECIMAL X.XXX ±0.010					-

No.	Drawing Number	Description	Qty.
1	AR0011477	MV308 HINGE POST SUB-ASSEMBLY	1
2	AR0012368	MV308 DOOR ASSEMBLY W/ FIXED GLASS	1
3	AR0010154	MV306 BRONZE THRUST BEARING - 1 1/4" ID	1
4	AR0007440	MV FASTENER 1/4" 18-8 S/S BLACK OXIDE FLAT WASHER	4
5	AR0011480	2-PIECE CLAMP ON SHAFT COLLAR - 1 1/4" BLACK OXIDE	1
6	AR0004824	1/4-20 NYLON INSERT 18-8 S/S LOCK NUT	2
7	AR0014245	Screw, BHCS - 1/4-20 x .88" Black Ox SS	2

REVISION TABLE				
REV.	DATE	DESCRIPTION	BY	ECN
0	24 SEP 2015	ISSUED	ER	15193ND
1	2/18/2016	Add note: Connect tether Move AR0011048 Dome Cap to parts kit AR0012378	CM	16037PI
2	11/11/2016	AR0014245 Replaced AR007443 Add AR0014246	CM	16274PI
3	3/24/2017	Replace AR0014246 washer with AR0007440	CM	17090



DETAIL A
SCALE 1 : 4



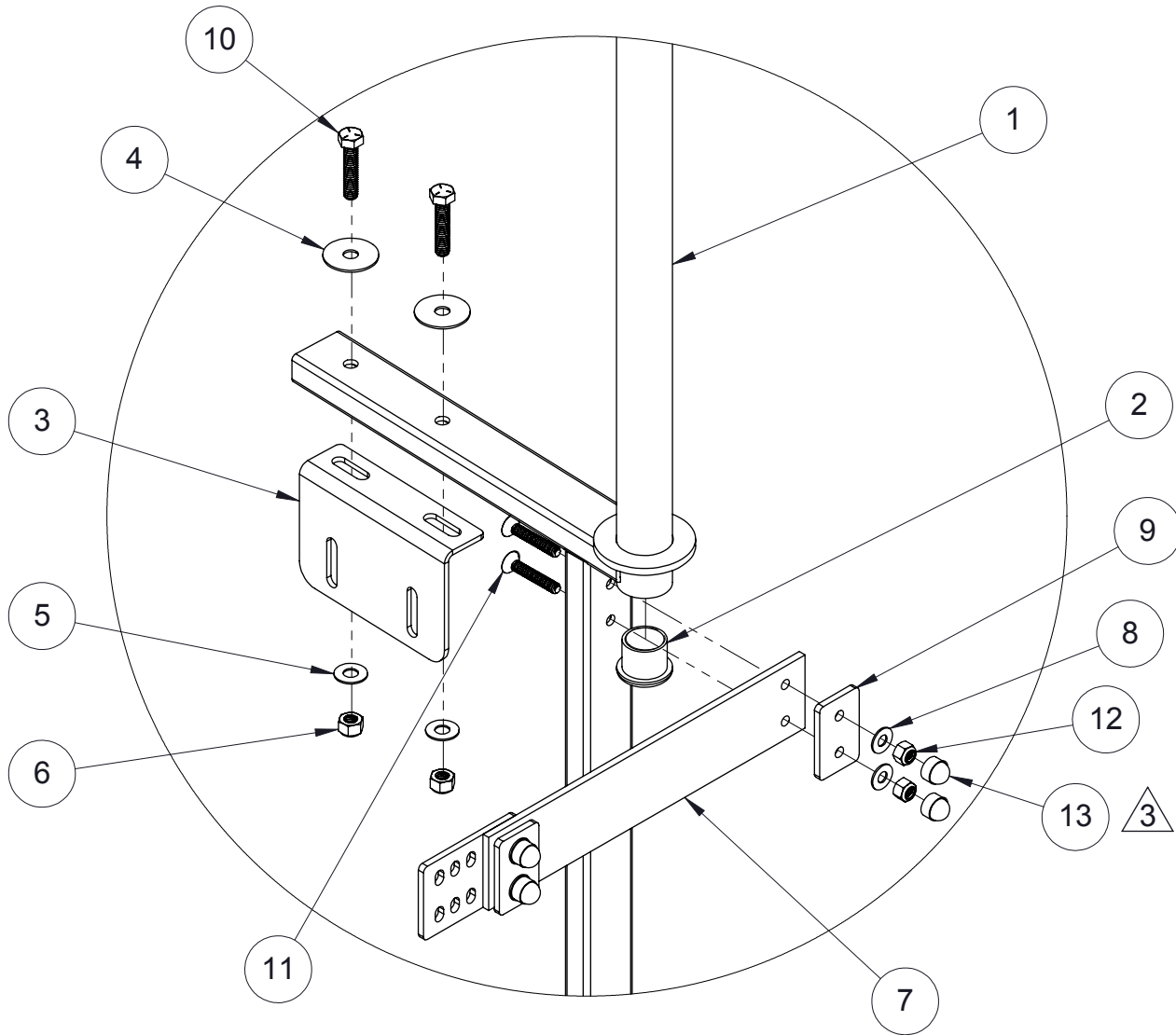
Note: Connect tether strap to door
using center hole of mounting plate

TOTAL MASS: UNLESS OTHERWISE SPECIFIED:		STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED:		ITEM NUMBER		WINDOW SIZE		CUSTOMER	
83.18311452 lb		HOLES FRACTIONAL DECIMAL X.XX DECIMAL X.XXX		AR0012372		-		NFI	
SHEET NUMBER 1 of 1		DRAWING NUMBER AR0012372		DESCRIPTION MV308 DOOR ASSEMBLY W/ HINGE POST		DIVISION		DATE	
		DP		B		24 SEP 2015		SCALE 1:24	
		DRAWN BY ER		CHECKED -					

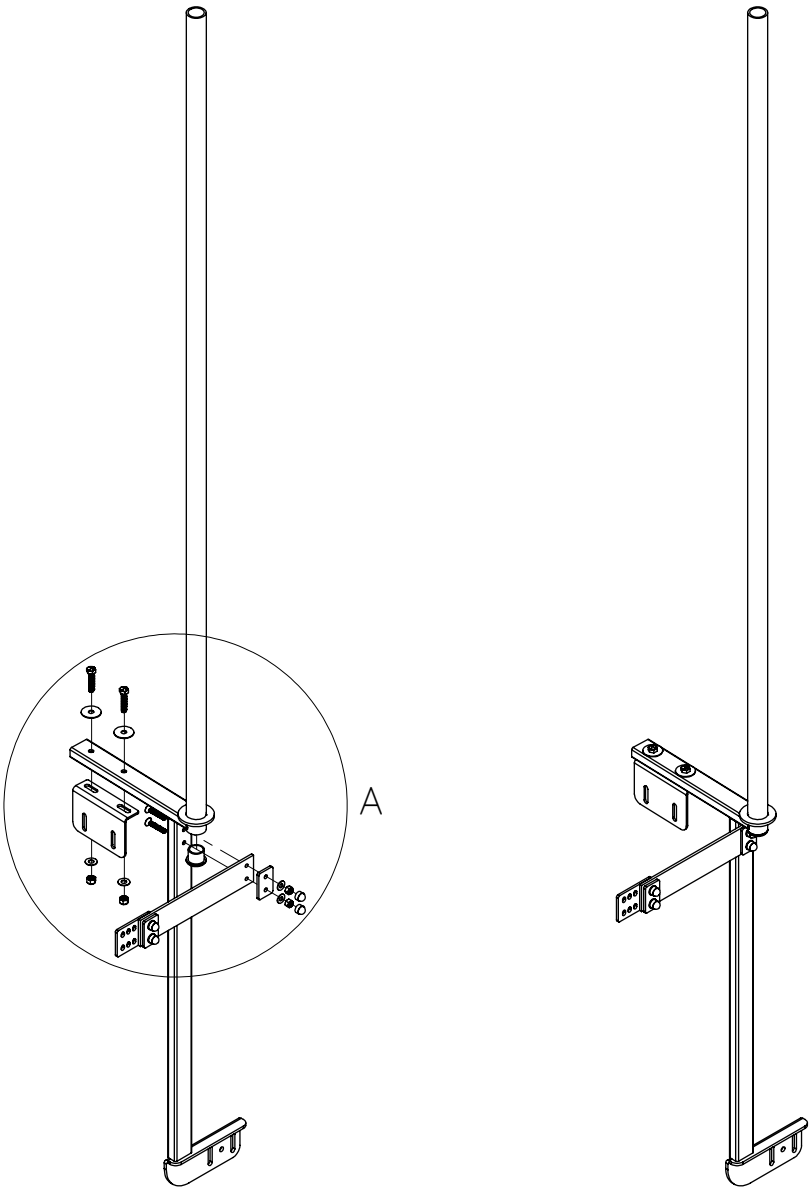
No.	Drawing Number	Description	Qty.
1	AR0011234	MV308 POST WELDMENT	1
2	AR0010113	HOLE PLUG FOR 1.09" TO 1.2" HOLES (McMaster # 9283K15)	1
3	AR0011235	MV308 MIDDLE MOUNT	1
4	AR0011877	MV FASTENER 1-1/4" OD, 11/32" ID BLACK OX FENDER WASHER	2
5	AR0010122	FLAT WASHER - 18-8 SS BLACK OX - 11/32" ID, 3/4" OD	2
6	AR0005081	MV Fastener Nylock Nut 5/16-18 SS	2
7	AR0011475	MV308 TETHER ASSEMBLY	1
8	AR0007440	MV FASTENER 1/4" 18-8 S/S BLACK OXIDE FLAT WASHER	2
9	AR0011243	MV308 TETHER RETAINER	1
10	AR0012305	HEX HEAD CAPSCREW - 5/16-18 X 1.50 LG. GRADE 5	2
11	AR0007752	MV FASTENER 1/4-20 X 1.500 SOC FL HD 18-8 S/S BLACK OXIDE MS	2
12	AR0004824	1/4-20 NYLON INSERT 18-8 S/S LOCK NUT	2
13	AR0011048	MV ITEM - 1/4 Black Nylon Dome Cap	2

4
4
2
1


REVISION TABLE				
REV.	DATE	DESCRIPTION	BY	ECN
0	20 APR 15	ISSUED	KS	15048ND
1	09 JUN 15	REPLACED WASHER AR0011473 WITH AR0011877	KS	15048ND
2	31 JUL 15	REPLACED ZINC COATED FASTENER AR0010028 WITH BLACK OX AR0012305	KS	15161PI
3	05 OCT 15	REPLACED ACORN NUT WITH NYLOCK NUT, DOME CAP, LONGER SCREW	ER	15193ND
4	4/25/2016	Revised AR0011234 & AR0011235 Shown	CM	16055PI



DETAIL A
SCALE 1 : 4

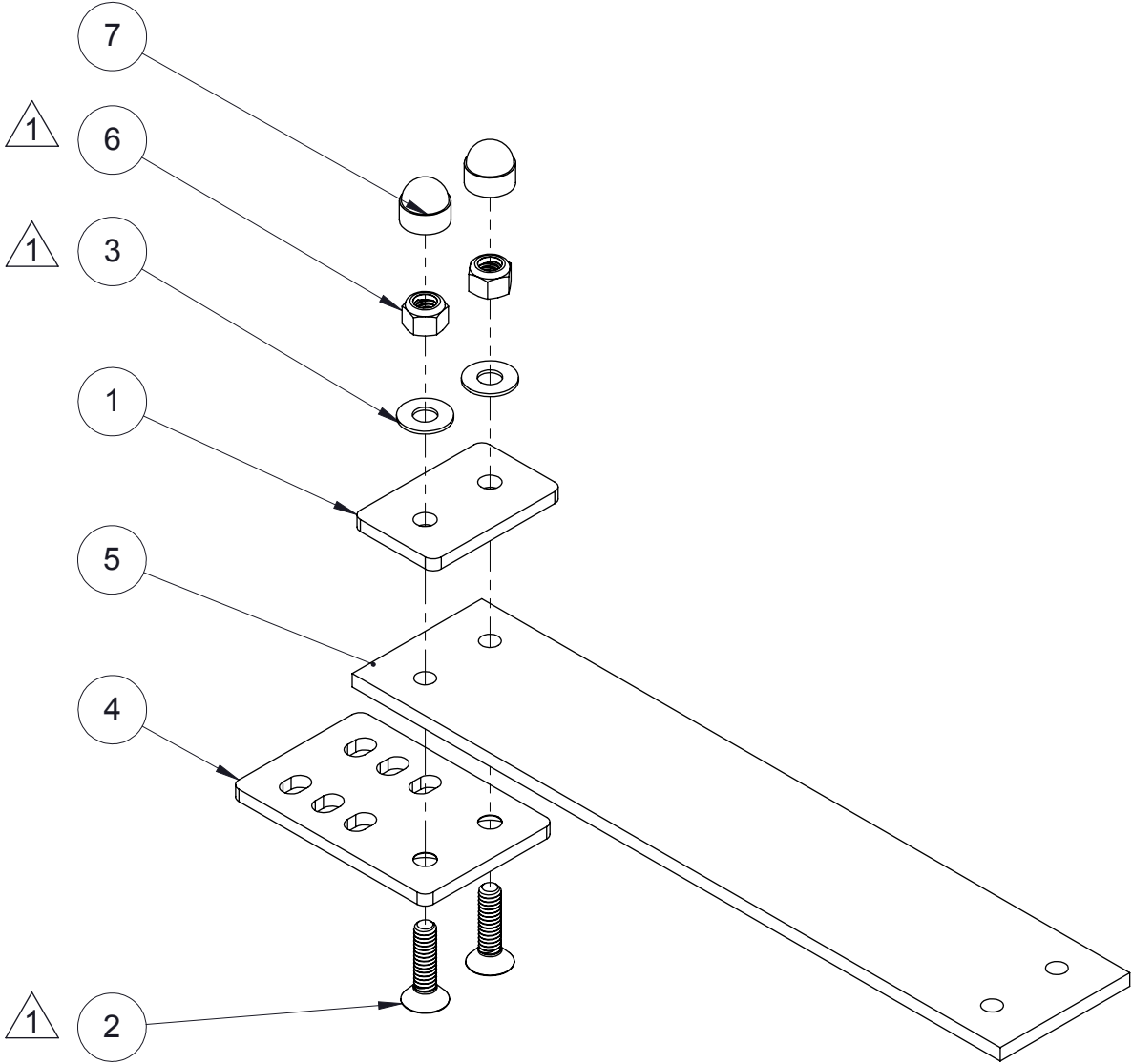



EXPLODED VIEW

		ITEM NUMBER		WINDOW SIZE		CUSTOMER	
		AR0011477		-		-	
		DESCRIPTION		MV308 HINGE POST SUB-ASSEMBLY			
TOTAL MASS: 15.06 lb		STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED: HOLES ±0.005 FRACTIONAL ±1/32 DECIMAL X.XX ±0.03 DECIMAL X.XXX ±0.010		DRAWING NUMBER		AR0011477	
SHEET NUMBER				DIVISION		SIZE	
1 of 1				DPS		B	
				DATE		SCALE	
				04/20/2015		1:12	
		DRAWN BY		KS		CHECKED	
						-	

No.	Drawing Number	Description	Qty.
1	AR0011243	MV308 TETHER RETAINER	1
2	AR0012529	1/4"-20 X 1" LG FHCS, 18-8 BLACK OXIDE	2
3	AR0007440	MV FASTENER 1/4" 18-8 S/S BLACK OXIDE FLAT WASHER	2
4	AR0011242	MV308 TETHER ADJUSTER	1
5	AR0011474	MV308 TETHER STRAP W/ HOLES	1
6	AR0004824	1/4-20 NYLON INSERT 18-8 S/S LOCK NUT	2
7	AR0011048	MV ITEM - 1/4 Black Nylon Dome Cap	2

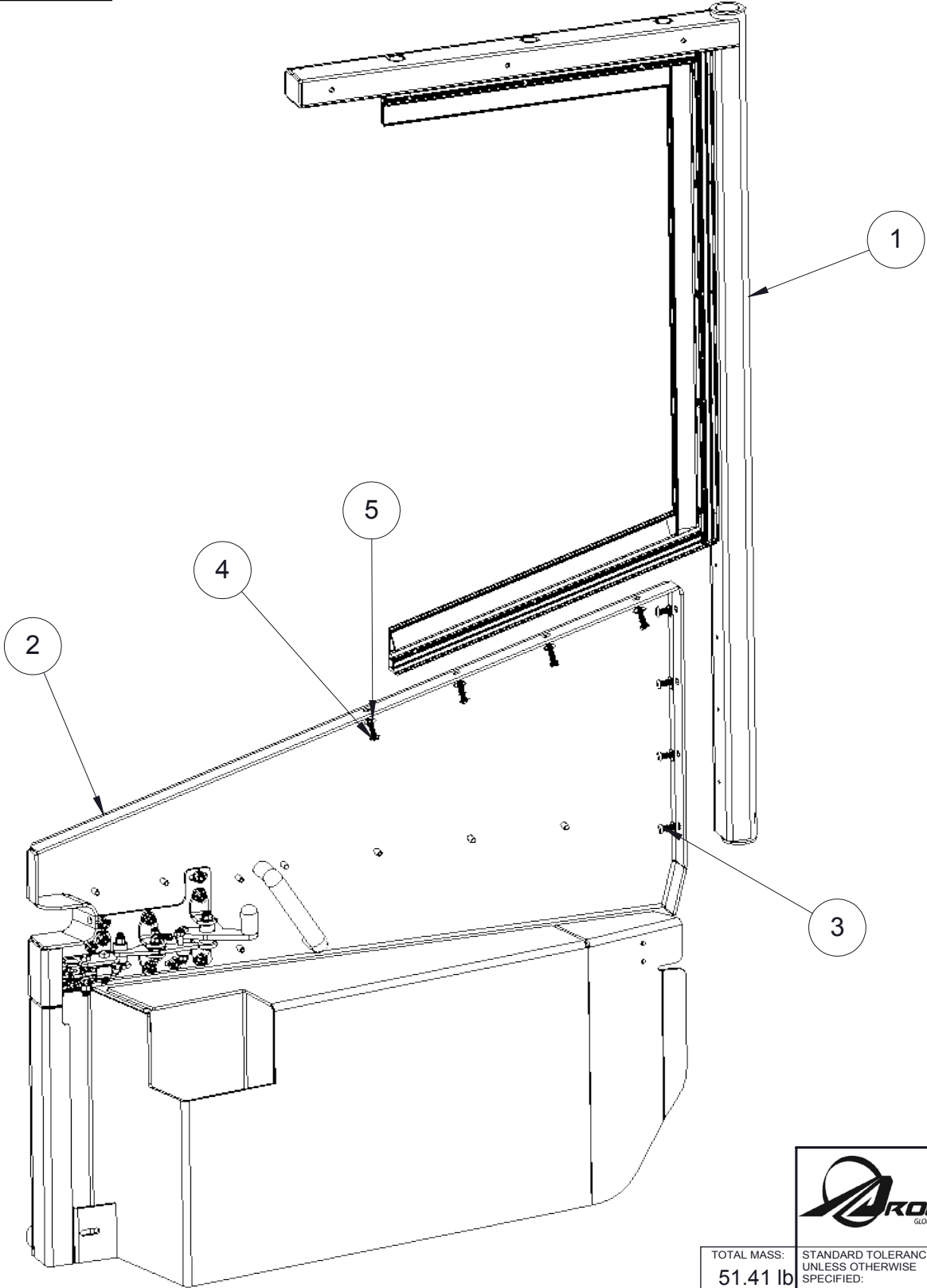
REVISION TABLE				
REV.	DATE	DESCRIPTION	BY	ECN
0	20 APR 15	ISSUED	KS	15048ND
1	08 OCT 2015	SWITCHED OUT ACORN NUT FOR NYLOCK NUT, DOME CAP, AND LONGER SCREW	ER	15193ND




		ITEM NUMBER		WINDOW SIZE		CUSTOMER				
		AR0011475		DPS		NFI				
		DESCRIPTION								
		MV308 TETHER ASSEMBLY								
TOTAL MASS:		STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED: HOLES ±0.005 FRACTIONAL ±1/32 DECIMAL X.XX ±0.03 DECIMAL X.XXX ±0.010		DRAWING NUMBER						
0.26 lb				AR0011475						
SHEET NUMBER				DIVISION		SIZE	DATE	SCALE	DRAWN BY	CHECKED
1 of 1				DP		B	04/20/2015	1:2	KS	-

No.	Drawing Number	Description	Qty.
1	AR0011442	MV308 WINDOW FRAME ASSY	1
2	AR0011447	MV308 LOWER DOOR SUB-ASSY	1
3	AR0011051	1/4-20 x 1/2" 18-8 SS BLACK OX BUTTON HEAD CAP SCREW W/ NYLON PATCH	4
4	AR0011073	BUTTON HEAD SOCKET CAPSCREW 1/4-20 X .75 LG. W/ NYLON PATCH	4
5	AR0007440	MV FASTENER 1/4" 18-8 S/S BLACK OXIDE FLAT WASHER	8

REVISION TABLE				
REV.	DATE	DESCRIPTION	BY	ECN
0	24 SEP 2015	ISSUED	ER	15193ND

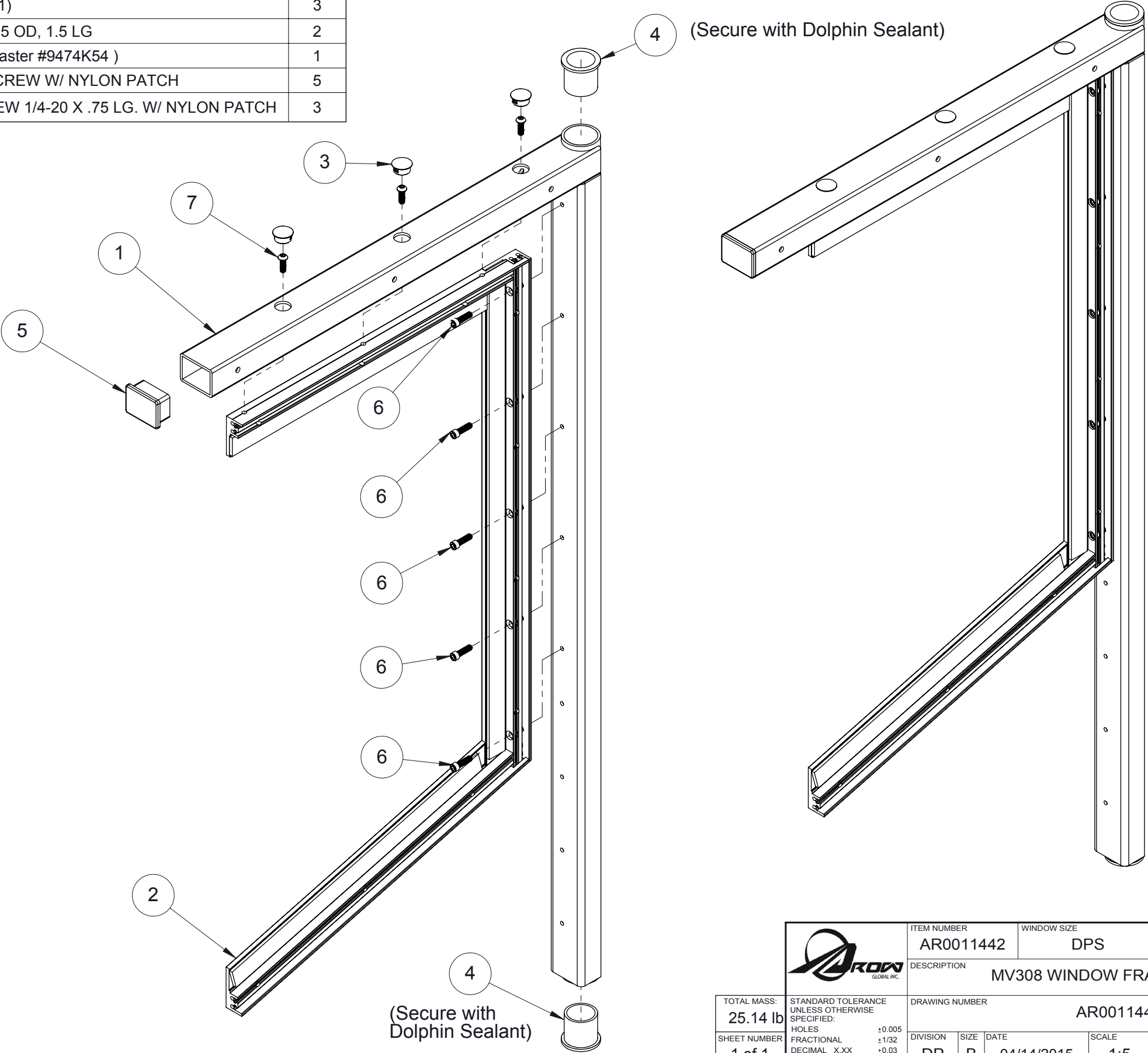



		ITEM NUMBER		WINDOW SIZE		CUSTOMER				
		AR0012364		DPS		NFI				
		DESCRIPTION MV308 LOWER DOOR W/ HINGE TUBE SUBASSY								
TOTAL MASS: 51.41 lb		STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED: HOLES ±0.005 FRACTIONAL ±1/32 DECIMAL X.XX ±0.03 DECIMAL X.XXX ±0.010		DRAWING NUMBER						
AR0012364										
SHEET NUMBER				DIVISION		SIZE	DATE	SCALE	DRAWN BY	CHECKED
1 of 1				DP		B	24 SEP 2015	1:24	ER	-

TOTAL MASS:	STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED:
51.41 lb	HOLES ±0.005
	FRACTIONAL ±1/32
SHEET NUMBER	DECIMAL X.XX ±0.03
1 of 1	DECIMAL X.XXX ±0.010

No.	Drawing Number	Description	Qty.
1	AR0011226	MV308 UPPER HINGE TUBE WELDMENT	1
2	AR0011441	MV308 FIXED WINDOW CLAMP ASSY	1
3	AR0007230	3/4" Hole Plug (McMaster #85985K21)	3
4	AR0010112	UHMW HINGE BUSHING 1.25 ID, 1.5 OD, 1.5 LG	2
5	AR0010124	RECTANGULAR TUBE PLUG (McMaster #9474K54)	1
6	AR0011074	1/4-20 X .875 18-8 S/S SOC CAP SCREW W/ NYLON PATCH	5
7	AR0011073	BUTTON HEAD SOCKET CAPSCREW 1/4-20 X .75 LG. W/ NYLON PATCH	3

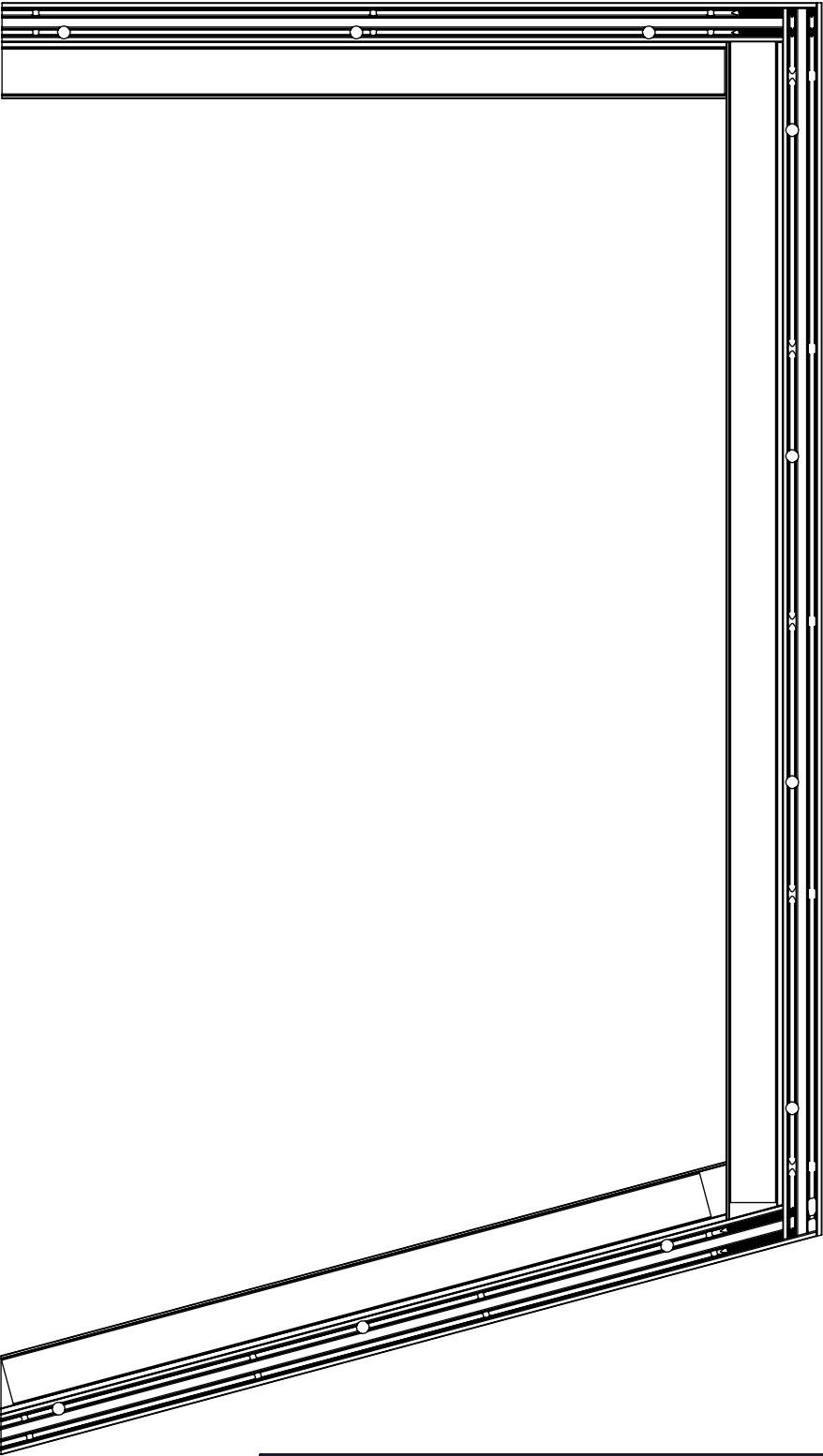
REVISION TABLE				
REV.	DATE	DESCRIPTION	BY	ECN
0	14 APR 15	ISSUED	KS	15048ND



	ITEM NUMBER		WINDOW SIZE		CUSTOMER		
	AR0011442		DPS		NFI		
	DESCRIPTION						
MV308 WINDOW FRAME ASSY							
TOTAL MASS:	STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED:		DRAWING NUMBER				
25.14 lb	HOLES ±0.005		AR0011442				
SHEET NUMBER	FRACTIONAL ±1/32		DIVISION	SIZE	DATE	SCALE	
	DECIMAL X.XX ±0.03		DP	B	04/14/2015	1:5	
	DECIMAL X.XXX ±0.010						DRAWN BY
1 of 1						KS	-

No.	Drawing Number	Description	Qty.
1	AR0011436	MV308 VERTICAL	1
2	AR0011435	MV308 LOWER	1
3	AR0011437	MV308 UPPER	1
4	0001341F	MV FASTENER 10 X 2 PH FL HD 18-8 S/S BLACK OXIDE SMS	4
5	AR0007477-23.81	MV301 FRONT HORIZONTAL AND VERTICAL RUBBER - .188" X 1.00" X 30.00" LG	1
6	AR0007477-16.06	MV301 FRONT HORIZONTAL AND VERTICAL RUBBER - .188" X 1.00" X 30.00" LG	2

REVISION TABLE				
REV.	DATE	DESCRIPTION	BY	ECN
0	14 APR 15	ISSUED	KS	15048ND



TOTAL MASS:	5.00 lb
SHEET NUMBER	1 of 1

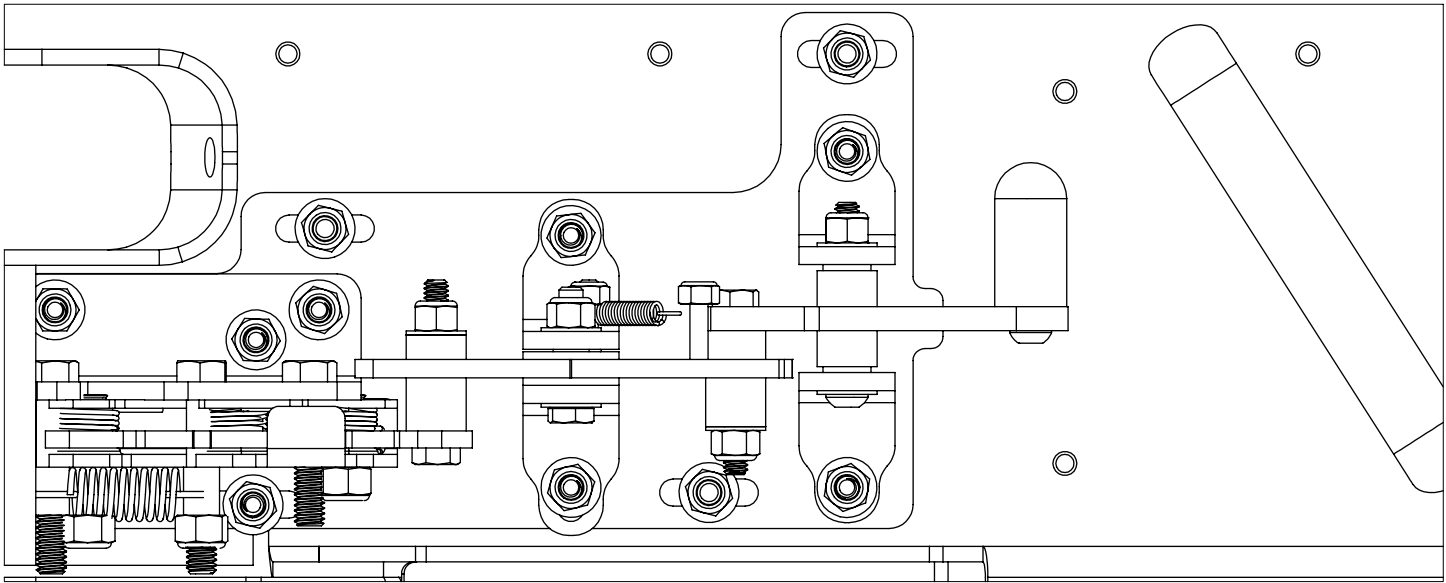
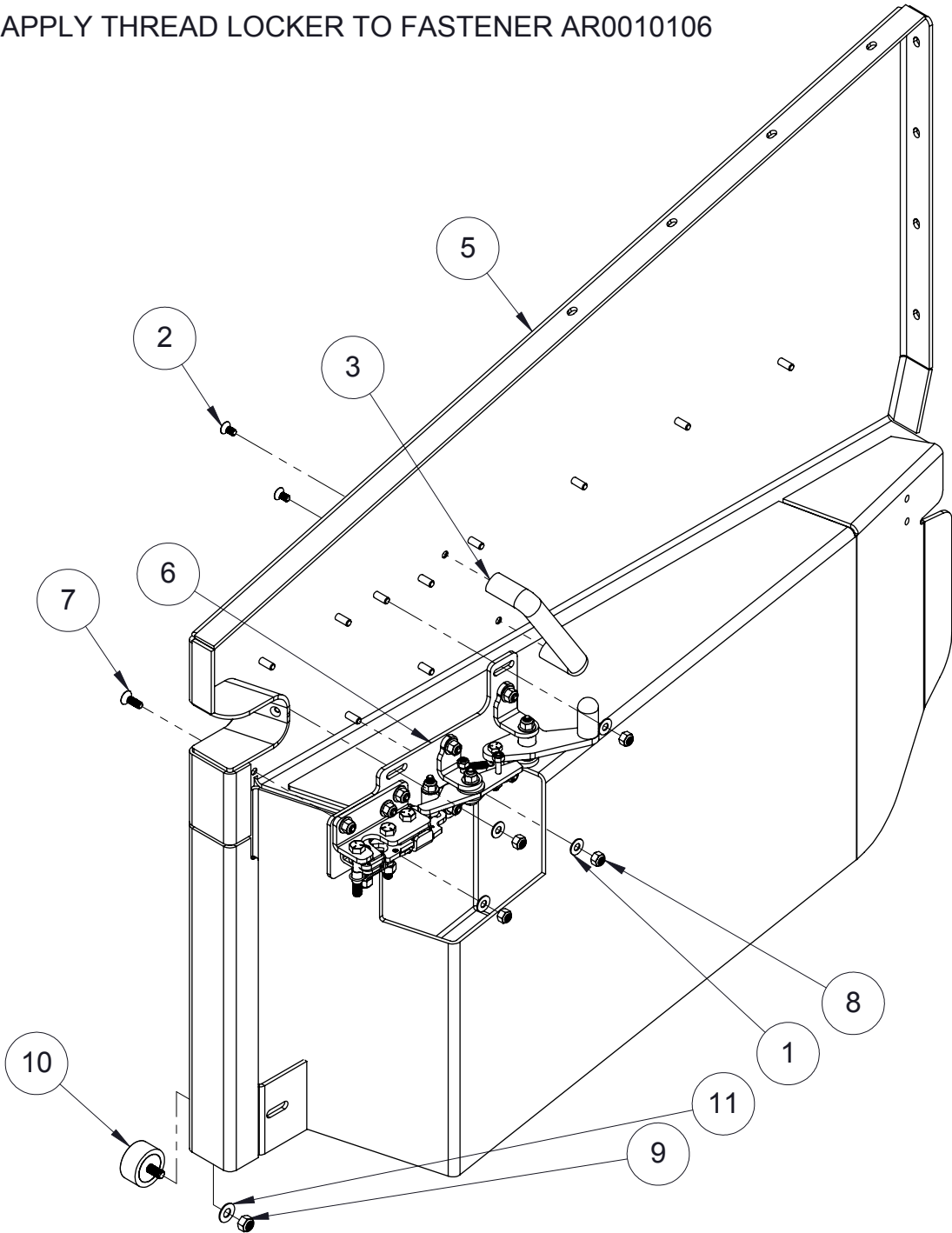


ITEM NUMBER		WINDOW SIZE		CUSTOMER	
AR0011441		DPS		NFI	
DESCRIPTION		MV308 FIXED WINDOW CLAMP ASSY			
DRAWING NUMBER		AR0011441			
DIVISION	SIZE	DATE	SCALE	DRAWN BY	CHECKED
DP	B	04/14/2015	1:4	KS	-


No.	Drawing Number	Description	Qty.
1	AR0007440	MV FASTENER 1/4" 18-8 S/S BLACK OXIDE FLAT WASHER	4
2	AR0010106	FLAT HEAD SOCKET CAPSCREW M6 X 12MM	2
3	AR0010119	MV306 SS PULL HANDLE WITH M6 HOLES (McMaster #5191A2)	1
4	AR0003113_AG0	LOCTITE 243 THREAD LOCKER - POU	1
5	AR0011890	MV308 LOWER DOOR WELDMENT WITH POCKET	1
6	AR0011463	MV308 LATCH SUBASSEMBLY	1
7	AR0007443	MV FASTENER 1/4-20 X .750 SOC FL HD 18-8 BLACK OXIDE MS	1
8	AR0004824	1/4-20 NYLON INSERT 18-8 S/S LOCK NUT	4
9	AR0005081	MV Fastener Nylock Nut 5/16-18 SS	1
10	AR0013107	Bumper - 1.5 OD x .75 H x 5/16-18	1
11	AR0010122	FLAT WASHER - 18-8 SS BLACK OX - 11/32" ID, 3/4" OD	1

REVISION TABLE				
REV.	DATE	DESCRIPTION	BY	ECN
0	17 APR 15	ISSUED	KS	15048ND
1	18 JUN 15	REPLACED AR0011219 WITH AR0011890. NEW LOWER DOOR HAS POCKET	KS	15113CC
2	9/23/2015	REPLACED PEM STUD WITH FLAT HEAD SCREW	ER	15206PI
3	8/15/2016	Add AR0005081, AR0013107, AR0010122	CM	16200BC

APPLY THREAD LOCKER TO FASTENER AR0010106



FRONT VIEW OF LATCH COMPONENTS
SCALE 1 : 2

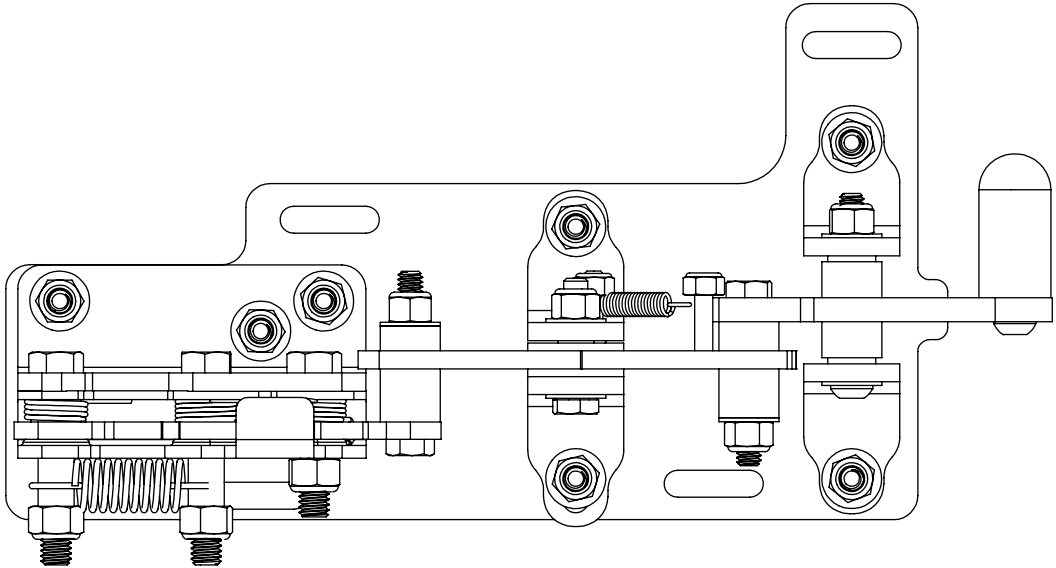
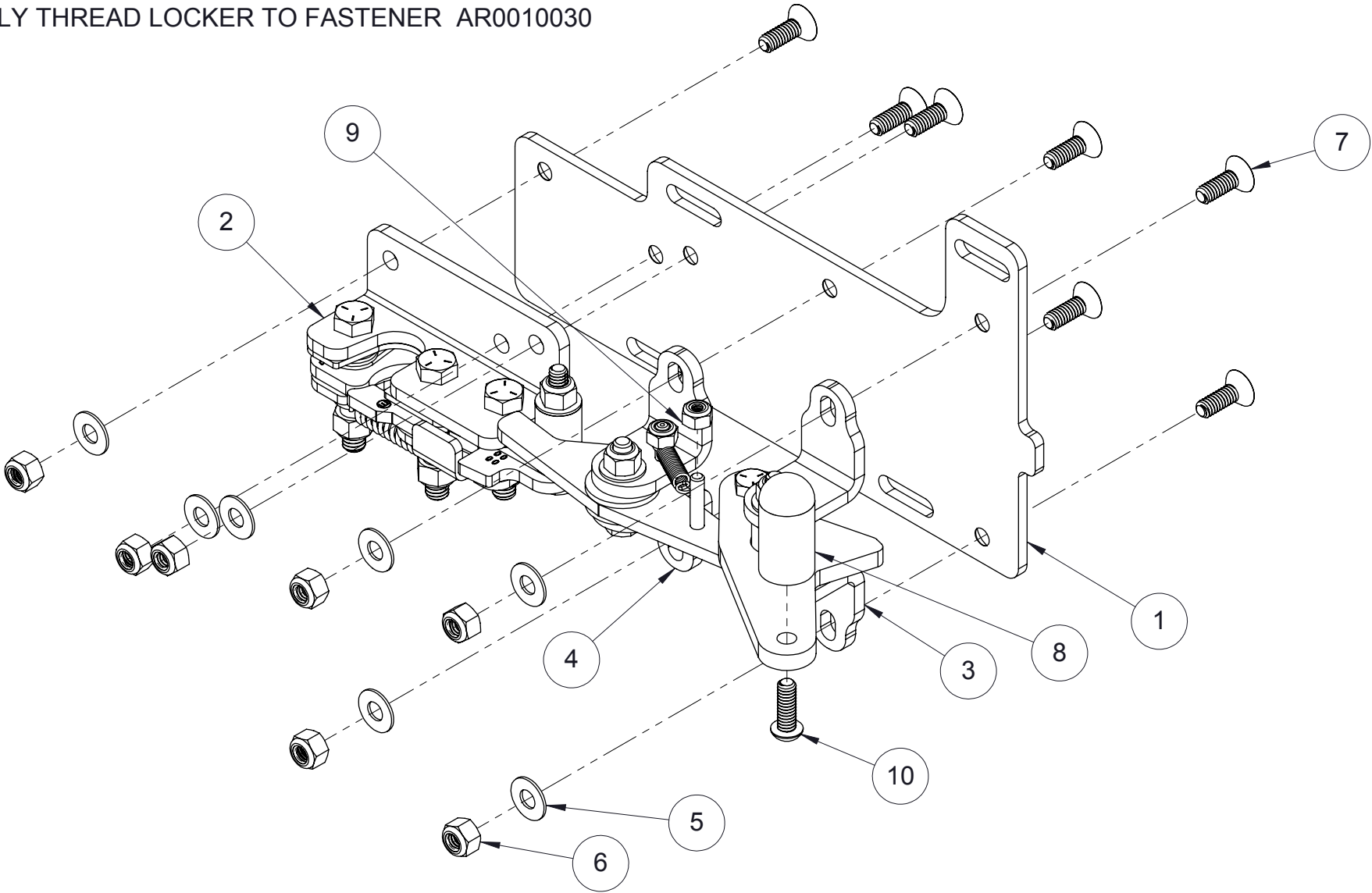
		ITEM NUMBER		WINDOW SIZE		CUSTOMER	
		AR0011447		DPS		NFI	
		DESCRIPTION					
		MV308 LOWER DOOR SUB-ASSY					
TOTAL MASS: 26.24 lb		STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED:		DRAWING NUMBER			
		HOLES ±0.005		AR0011447			
		FRACTIONAL ±1/32					
SHEET NUMBER		DECIMAL X.XX ±0.03		DIVISION		SIZE	DATE
1 of 1		DECIMAL X.XXX ±0.010		DP		B	04/17/2015
						SCALE	DRAWN BY
						1:6	KS
							CHECKED
							-


No.	Drawing Number	Description	Qty.
1	AR0011448	MV308 LATCH ASSEMBLY PLATE	1
2	AR0011449	MV308 LATCHING BLOCK ASSY W/ SPRING	1
3	AR0011816	MV306 LATCH HANDLE ASSY	1
4	AR0010109	MV306 LATCH LEVER MOUNTING ASSY	1
5	AR0007440	MV FASTENER 1/4" 18-8 S/S BLACK OXIDE FLAT WASHER	7
6	AR0004824	1/4-20 NYLON INSERT 18-8 S/S LOCK NUT	7
7	AR0007443	MV FASTENER 1/4-20 X .750 SOC FL HD 18-8 BLACK OXIDE MS	7
8	AR0010021	MV306 LATCH HANDLE	1
9	AR0008852	Nylock Nut - 10-24 UNC	1
10	AR0010030	BUTTON HEAD SOCKET CAPSCREW 1/4-20 X .75 LG.	1
11	AR0003113	LOCTITE 243 THREAD LOCKER - POU	1

1

REVISION TABLE				
REV.	DATE	DESCRIPTION	BY	ECN
0	17 APR 15	ISSUED	KS	15048ND
1	19 JUN 15	REPLACED LATCH SUBASSY AR0010110 WITH LOW PROFILE AR0011816	KS	15113CC

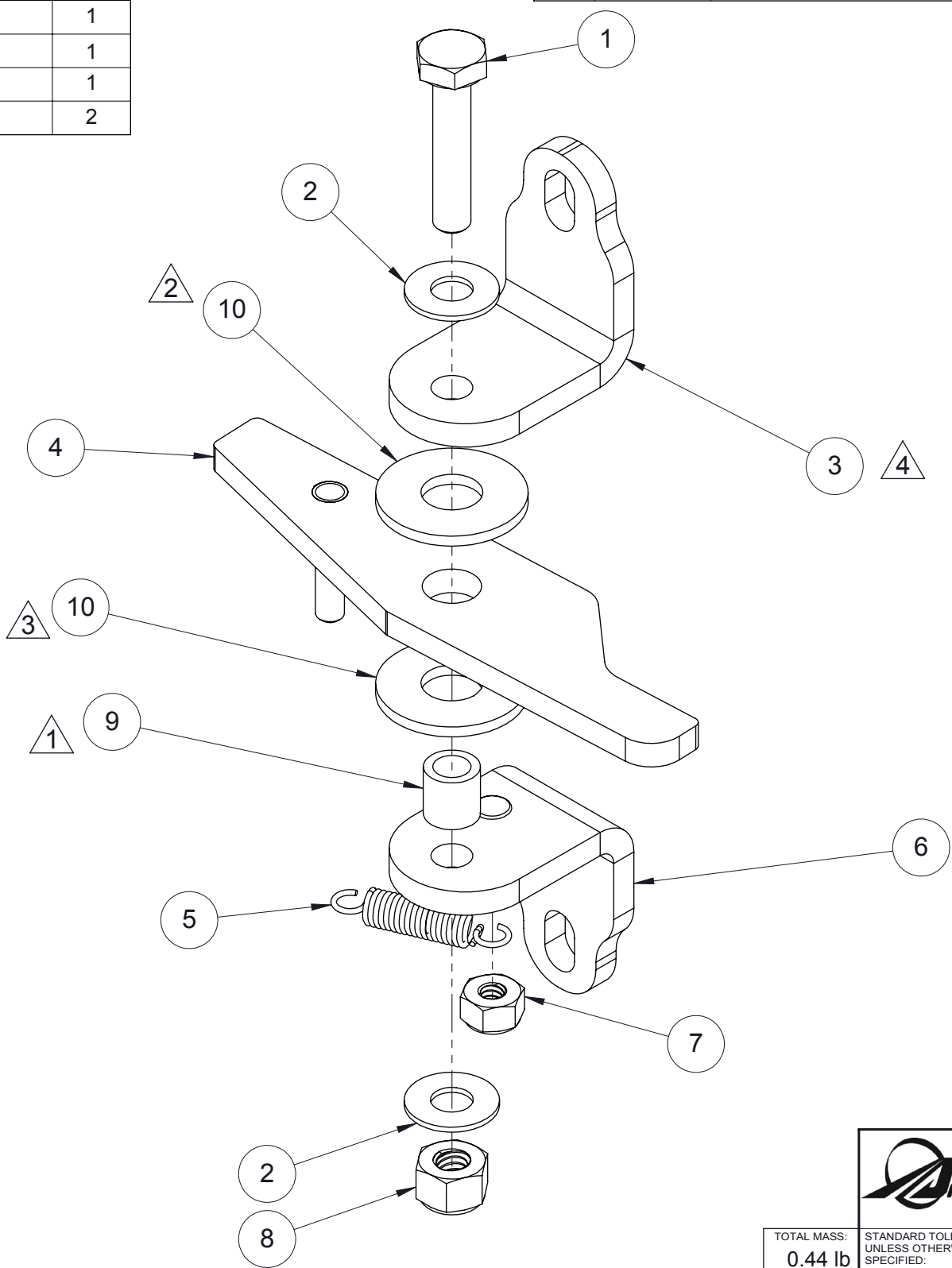
APPLY THREAD LOCKER TO FASTENER AR0010030




	ITEM NUMBER AR0011463		WINDOW SIZE DPS		CUSTOMER -	
	DESCRIPTION MV308 LATCH SUBASSEMBLY					
TOTAL MASS: 2.53 lb	STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED: HOLES ±0.005 FRACTIONAL ±1/32 DECIMAL X.XXX ±0.03 DECIMAL X.XXXX ±0.010		DRAWING NUMBER AR0011463			
SHEET NUMBER 1 of 1	DIVISION DP	SIZE B	DATE 04/17/2015	SCALE 1:2	DRAWN BY KS	CHECKED -

No.	Drawing Number	Description	Qty.
1	AR0010048	Hex Head Capscrew - 1/4-20 x 1.25" Lg.	1
2	AR0007440	MV FASTENER 1/4" 18-8 S/S BLACK OXIDE FLAT WASHER	2
3	AR0014527	MV308 LATCH PIVOT TAB	1
4	AR0010054	MV306 TOGGLE LEVER ASSEMBLY	1
5	AR0010022	Extension Spring (McMaster #9654K346)	1
6	AR0010051	MV306 LATCH PIVOT TAB ASSEMBLY	1
7	AR0008852	Nylock Nut - 10-24 UNC	1
8	AR0004824	1/4-20 NYLON INSERT 18-8 S/S LOCK NUT	1
9	AR0013418	Sleeve Bearing - .25 ID x .375 OD x .375 LG	1
10	AR0013940	Washer, Flat .406 ID x 1.00 OD x .080 Nylon	2

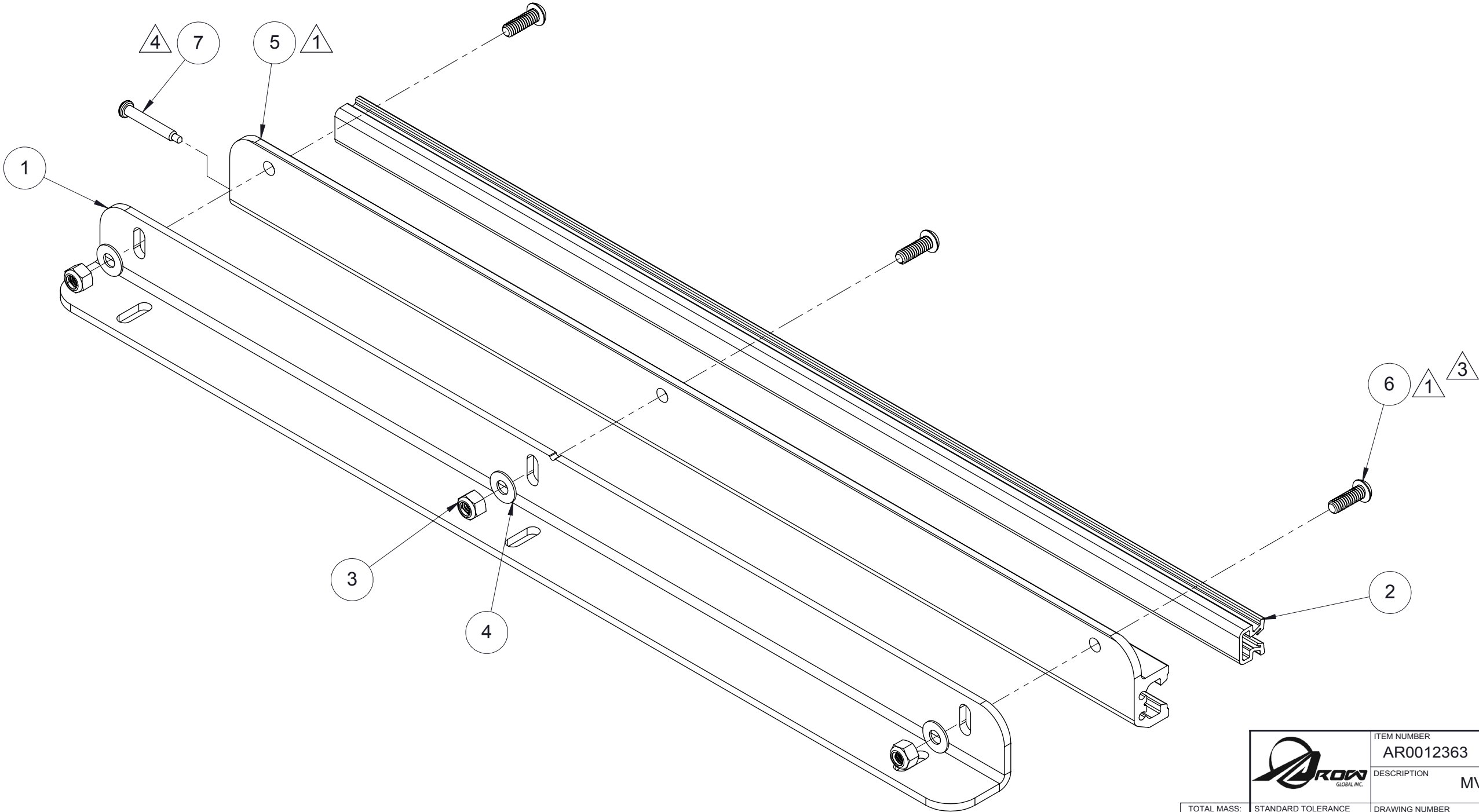
REVISION TABLE				
REV.	DATE	DESCRIPTION	BY	ECN
0	10 SEPT 2014	ISSUED	NG	14164ND
1	4/28/2016	AR0013417 was AR0010024 (Qty 2), Add AR0013418 (Qty 1)	CM	16080PI
2	8/24/2016	AR0013417 (Qty 1) was (Qty 2), Add AR0013940(Qty 1)	CM	16192PI
3	2/7/2017	AR0013940 (Qty 2) was (Qty 1), Remove AR0013417 (Qty 1)	RT	17036
4	2/15/2017	AR0014527 was AR0010020	CM	17046




		ITEM NUMBER		WINDOW SIZE		CUSTOMER			
		AR0010109		DPS		GILLIG			
		DESCRIPTION MV306 LATCH LEVER MOUNTING ASSY							
TOTAL MASS: 0.44 lb		STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED: HOLES ±0.005 FRACTIONAL ±1/32 DECIMAL X.XX ±0.03 DECIMAL X.XXX ±0.010		DRAWING NUMBER AR0010109					
SHEET NUMBER 1 of 1				DIVISION	SIZE	DATE	SCALE	DRAWN BY	CHECKED
				MV	B	09/10/2014	1:1	NG	-

No.	Drawing Number	Description	Qty.
1	AR0012361	MV308 Upper Slider Mtg Bracket	1
2	AR0012362	MV308 Upper Slider Track Liner	1
3	AR0004824	1/4-20 NYLON INSERT 18-8 S/S LOCK NUT	3
4	AR0007440	MV FASTENER 1/4" 18-8 S/S BLACK OXIDE FLAT WASHER	3
5	AR0012680	Upper Slider Guide Rail	1
6	AR0010030	BUTTON HEAD SOCKET CAPSCREW 1/4-20 X .75 LG.	3
7	0000562F	MV Fastener 10 X1 3/8 PH Torx tek c/w #8HD C/S/H 410 S/S Black OX - POU	1

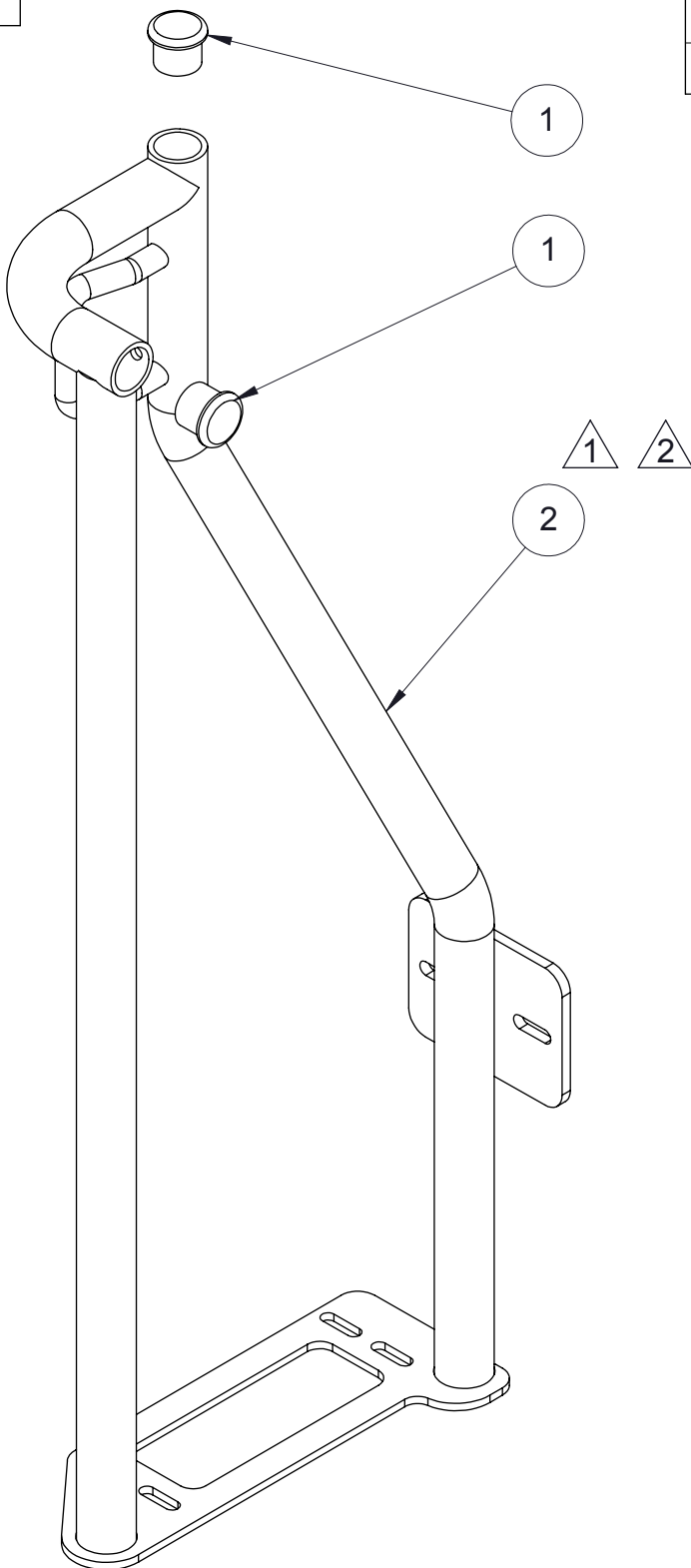
REVISION TABLE				
REV.	DATE	DESCRIPTION	BY	ECN
0	11 SEP 15	ISSUED	KS	15193ND
1	11/30/2015	REPLACED AR0012359 W/ AR0012680. REPLACED AR0007183 W/ AR0011073	ER	15221PI
2	1/20/2016	Delete AR0011819, AR0011809	CM	16017BC
3	8/23/2016	REPLACED AR0011073 with AR0010030	CM	16211BC
4	5/2/2017	Add 0000562F	CM	17126




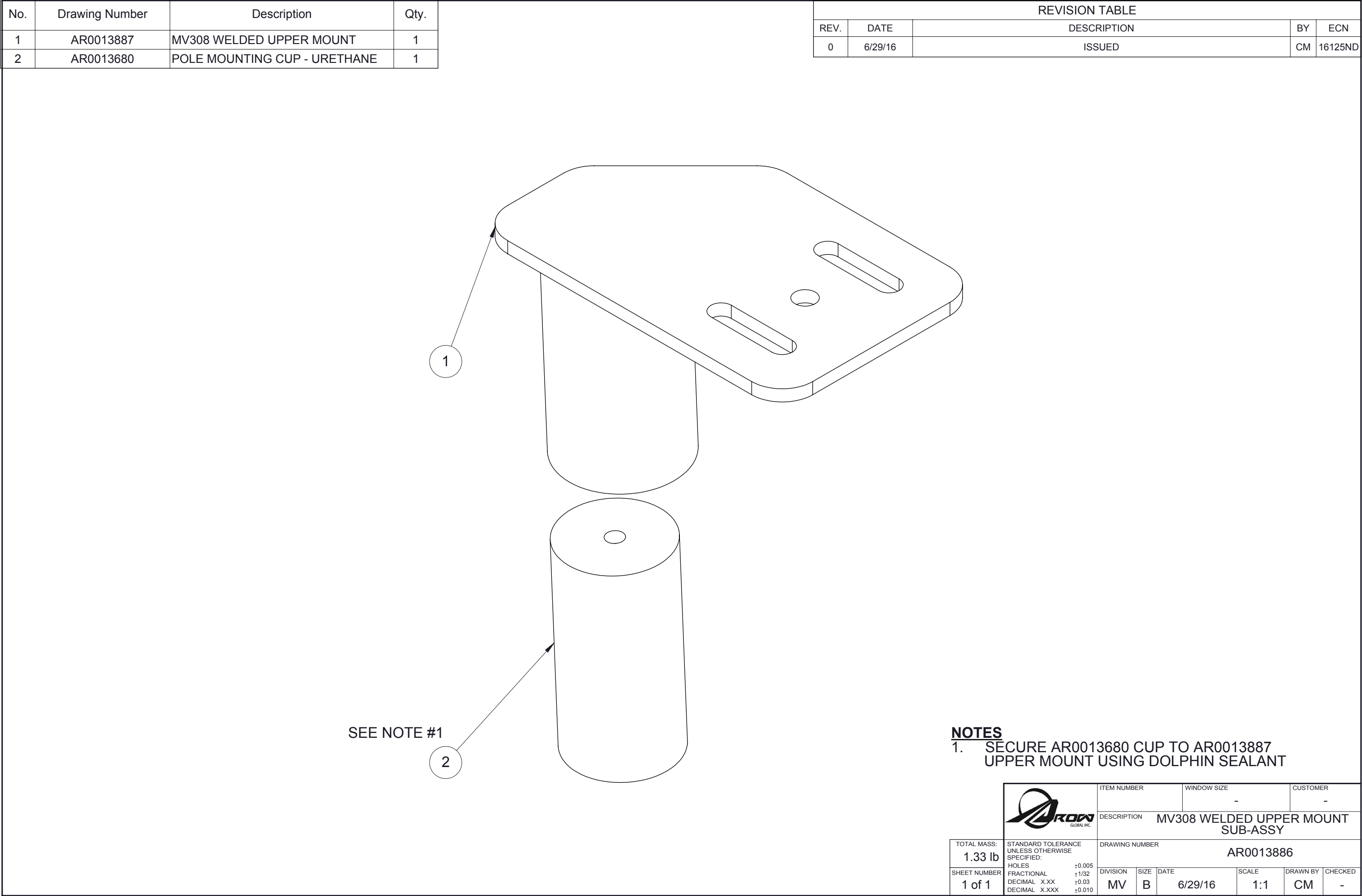
	ITEM NUMBER		WINDOW SIZE		CUSTOMER	
	AR0012363		DPS		NFI	
	DESCRIPTION MV308 UPPER SLIDER ASSY					
TOTAL MASS: 2.98 lb		STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED:		DRAWING NUMBER AR0012363		
SHEET NUMBER 1 of 1		HOLES FRACTIONAL DECIMAL X.XX DECIMAL X.XXX		DIVISION DP	SIZE B	DATE 09/11/2015
		±0.005 ±1/32 ±0.03 ±0.010		SCALE 1:2	DRAWN BY KS	CHECKED -

No.	Drawing Number	Description	Qty.
1	AR0010113	HOLE PLUG FOR 1.09" TO 1.2" HOLES (McMaster # 9283K15)	2
2	AR0013924	MV308 Stanchion Wldmt	1

REVISION TABLE				
REV.	DATE	DESCRIPTION	BY	ECN
0	7/11/16	ISSUED	CM	16169ND
1	8/12/2016	Updated AR0013924	CM	16169ND
2	10/21/2016	Updated AR0013924	CM	16260PI



<u>TOOLING INFORMATION</u> 1) TOOLING INFO 1 2) TOOLING INFO 2 3) TOOLING INFO 3 4) TOOLING INFO 4 5) TOOLING INFO 5 6) TOOLING INFO 6		<u>MISCELLANEOUS INFORMATION</u> MATERIAL: DIE NUMBER: MASS: 11.99 lb FINISH: MATERIAL LENGTH:		<div></div> <div>STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED: HOLES ±0.005 FRACTIONAL ±1/32 DECIMAL X.XX ±0.03 DECIMAL X.XXX ±0.010</div>		<div>ITEM NUMBER</div> <div>DESCRIPTION</div> <div>DRAWING NUMBER</div> <div><div>DIVISION</div><div>SIZE</div><div>DATE</div><div>SCALE</div><div>DRAWN BY</div><div>CHECKED</div></div>	
						<div>MV</div> <div>B</div> <div>7/11/16</div> <div>1:4</div> <div>CM</div> <div>-</div>	



AROWGUARD

DRIVER PROTECTION SYSTEMS



Slide System Service Package





TABLE OF CONTENTS

I. PRODUCT OVERVIEW

II. WARRANTY POLICY

III. SERVICE & MAINTENANCE PROCEDURES

- 1) Opening and closing of door latch
- 2) Latch assembly and adjustment
- 3) Latch cover removal and replacement
- 4) Upper slider track adjustment
- 5) Lower slider track adjustment
- 6) Sliding sash removal and replacement
- 7) Fixed glass removal and replacement
- 8) Tether strap adjustment



AROW GLOBAL CORP.

DRIVER PROTECTION SYSTEM (DPS) WARRANTY POLICY

REV 06/23/15

AROW Global Corp. agrees to warrant its DPS products against defects in materials and workmanship under normal operating conditions, for a period of one (1) year from the original date of shipment. Normal operating conditions do not include using a DPS in a manner that it was not intended to be used in.

THIS WARRANTY POLICY IS SUBJECT TO THE FOLLOWING LIMITATIONS:

- The product or component displays no evidence of abuse or neglect, and has been reasonably cared for and maintained in accordance with AROW Global Corp. published service guidelines. "Reasonable care" includes, but is not limited to, regular documented inspection and maintenance using approved maintenance procedures, lubrication of moving parts, and cleaning of all window tracks and operating mechanisms.
- The product or component displays no evidence of aggressive alcohol, alkaline or acidic cleaners, or excessive abrasive rubbing.
- It is demonstrated that AAMA publication – 609 & 610-15 Cleaning and Maintenance Guide for Architecturally Finished Aluminum - guidelines have been used to care for the product or component.
- It is demonstrated that the chemical cleaning agents used to care for the product or component possess pH levels that are limited to a range of five (5) to nine (9), and that documented evidence of pH levels is provided at the time of warranty claim.
- The product or component displays no evidence of damage due to vandalism or distortion due to improper installation.
- The product or component displays no evidence of modification or additional post-manufacture modifications.

THIS WARRANTY POLICY DOES NOT COVER THE FOLLOWING:

- Damage due to deficient or incorrect set-up, installation, adjustment, or failure of a vehicle infrastructure.
- Materials which have been damaged during vehicle operation.
- Materials which have been damaged by vandalism.
- Frame color fading as a result of weathering, natural ultraviolet light exposure, or aggressive cleaning.
- Normal wear of components such as: latches, strikes, hinges, or tethers.

This is the only warranty being made by AROW Global Corp. for its products and is made expressly in lieu of any other warranty (whether expressed, implied or as a matter of law) including but not limited to warranties of merchantability and fitness for a particular purpose. All claims must be submitted in writing. AROW Global Corp.'s obligations in this warranty are limited to product replacement or repair at AROW Global Corp.'s discretion. AROW Global Corp. expressly excludes any other damages, including but not limited to incidental, special, indirect, exemplary, punitive or consequential damages related to a product produced or supplied by AROW Global Corp.

DOOR LATCH



OPENING AND CLOSING OF DOOR LATCH

Product:



Model:

Slide System



This document provides step-by-step instructions on how to open and close the door latch on the ArowGuard Slide System.



Opening and Closing of Door Latch

ArowGuard Slide System Service Procedures
Phone: 715.693.6020 | Fax: 715.693.7108 | askarowglobal@arowglobal.com

DOOR LATCH

MODEL – SLIDE SYSTEM



TOOLS REQUIRED:

- None

OPENING (RELEASING) DOOR LATCH

1. To release push knob in an outward direction as shown in **Figure 1**.

CLOSING DOOR AND LATCHING DOOR LATCH

1. To close door, grip handle as shown in **Figure 2** and firmly pull door closed to engage slam latch.

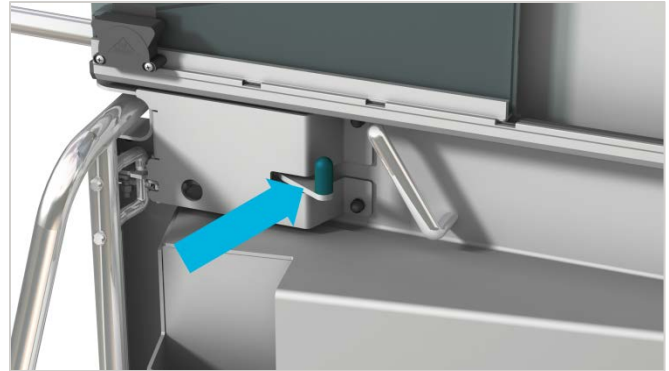


Figure 1 – Push knob in an outward direction.

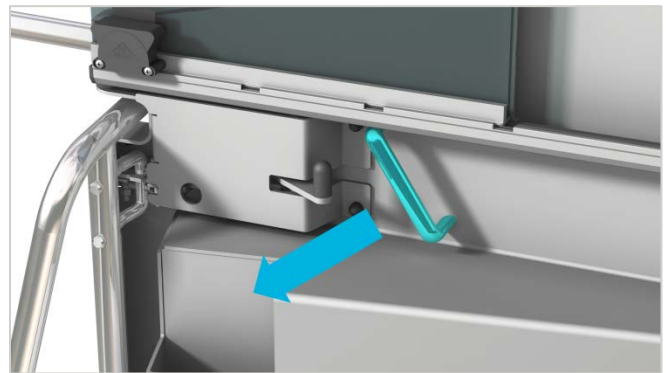


Figure 2 – Grip handle and firmly pull to engage latch.

LATCH ASSEMBLY



LATCH ASSEMBLY AND ADJUSTMENT

Product:

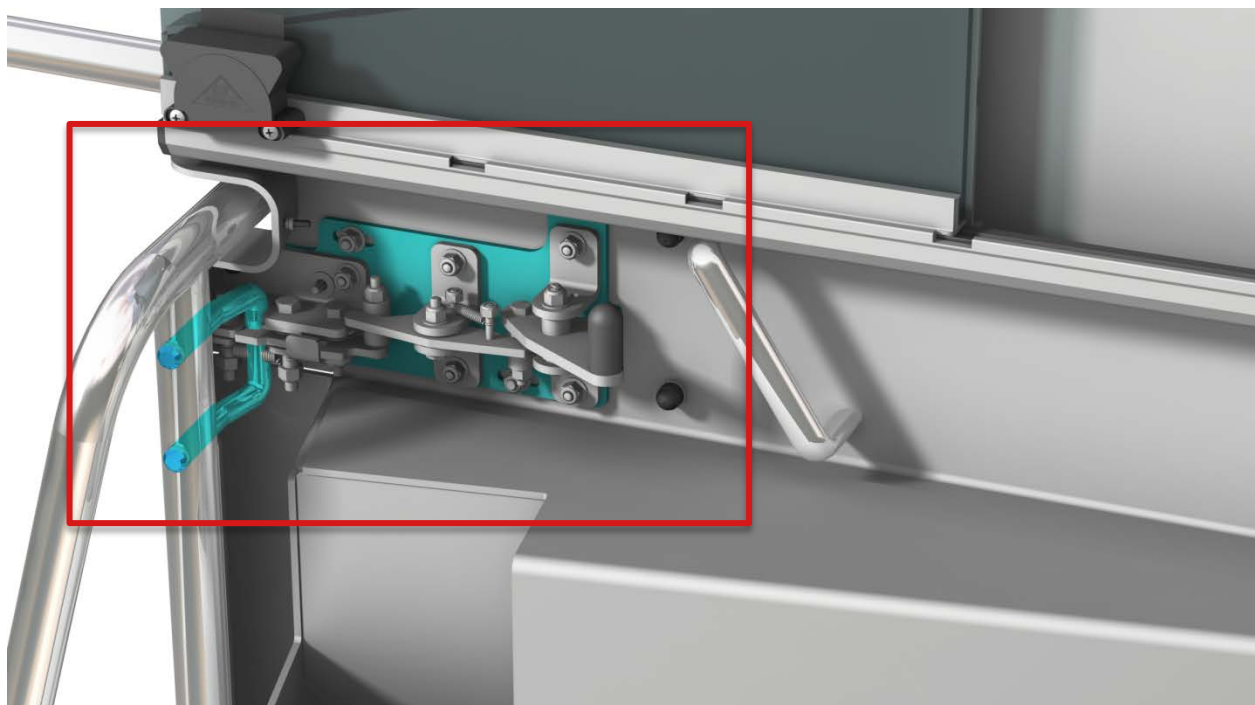


Model:

Slide System



This document provides step-by-step instructions on how to assemble and adjust the latch striker on the ArowGuard Slide System.



Latch Striker Assembly and Adjustment

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LATCH ASSEMBLY

MODEL – SLIDE SYSTEM



TOOLS REQUIRED:

- $\frac{5}{32}$ " Hex Key
- $\frac{7}{16}$ " Wrench

LATCH COVER REMOVAL

1. Remove the latch cover. Reference the **Latch Cover Removal and Replacement** procedure for instructions.

ADJUSTING THE LATCH ASSEMBLY POSITION

1. Using the $\frac{5}{32}$ " hex key and $\frac{7}{16}$ " wrench, loosen the nuts shown in **Figure 1**. This allows the latch assembly to slide for adjustment.

NOTE: Do not fully remove the nuts.

2. With the latch assembly loose, move the base plate in/out as shown in **Figure 2**. Position the striker bar in the center of the latch jaw, indicated by the **red** target as shown in **Figure 3**. Test the striker bar position by latching and unlatching the door to confirm adjustment location.

NOTE: The striker bar is not adjustable. All adjustment should be made to the latch assembly plate.

3. Using the $\frac{5}{32}$ " hex key and $\frac{7}{16}$ " wrench, tighten the nuts and screws shown in **Figure 1** to a final torque of 75 in-lbs.
4. Check for proper latch engagement on the door by cycling the lock open and closed several times.
If binding or inoperable, check adjustments again.
If operation is satisfactory, the latch assembly adjustment is complete.

LATCH COVER REPLACEMENT

1. Reinstall the latch cover. Reference the **Latch Cover Removal and Replacement** procedure for instructions.

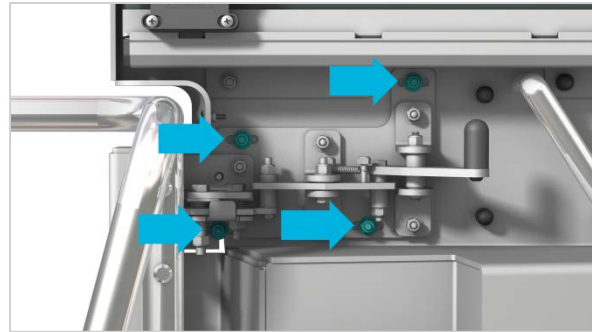


Figure 1 – Nut locations.

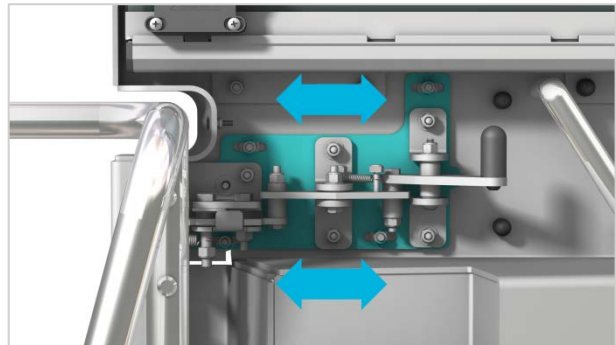


Figure 2 – Latch assembly base plate movement.

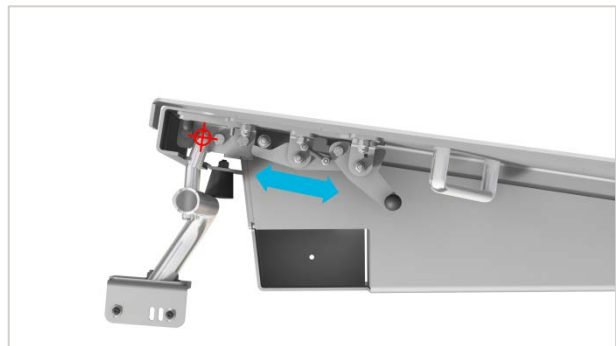


Figure 3 – Proper engagement of latch striker bar.

LATCH COVER



LATCH COVER REMOVAL AND REPLACEMENT

Product:

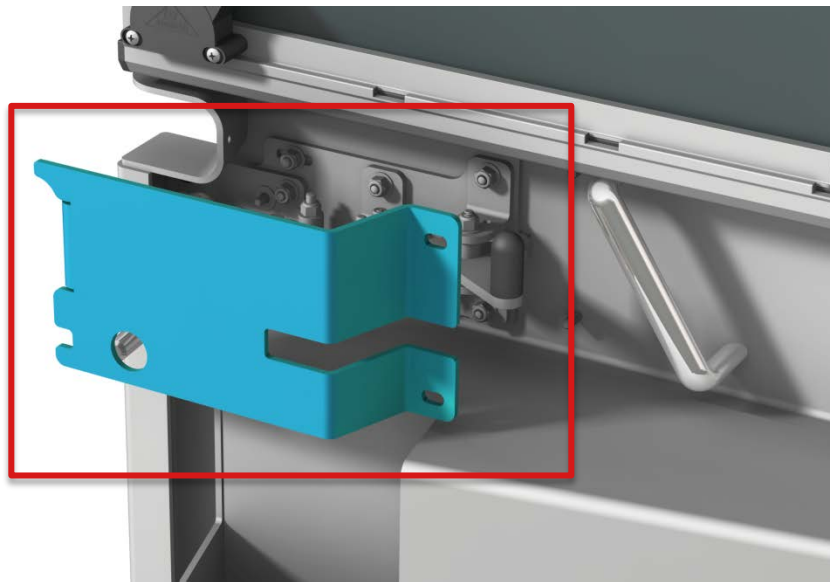


Model:

Slide System



This document provides step-by-step instructions on how to remove and replace the latch cover on the ArowGuard Slide System.



Latch Cover Removal and Replacement

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LATCH COVER

MODEL – SLIDE SYSTEM



TOOLS REQUIRED:

- $\frac{1}{8}$ " Hex key
- $\frac{7}{16}$ " Wrench
- Small flat blade screwdriver

LATCH COVER REMOVAL

1. Using the small flat blade screwdriver, remove the plastic nut covers. Retain for reassembly. See **Figure 1** for nut cover locations.
2. Using the $\frac{7}{16}$ " wrench, remove the nuts and washers. Retain for reassembly. See **Figure 1** for nut and washer locations.
3. Using the $\frac{1}{8}$ " hex key, remove the flat head bolts. Retain for reassembly. See **Figure 1** for bolt locations.
4. Slide latch cover around release knob and off of door, as shown in **Figure 2**.

LATCH COVER REPLACEMENT

1. Slide latch cover around release knob and onto door, as shown in **Figure 2**.
2. Locate the hardware removed in step 3 of latch cover removal. Using the $\frac{1}{8}$ " hex key, install the flat head bolts, tightening to a final torque of 23 in-lbs. See **Figure 1** for bolt locations.
3. Locate the hardware removed in step 2 of latch cover removal. Using the $\frac{7}{16}$ " wrench, install the washers and nuts, tightening to a final torque of 75 in-lbs. See **Figure 1** for nut and washer locations.
4. Locate the hardware removed in step 1 of latch cover removal. Reinstall the plastic nut covers. See **Figure 1** for nut cover locations.



Figure 1 – Nut cover, nut, washer, and flat head bolt locations.

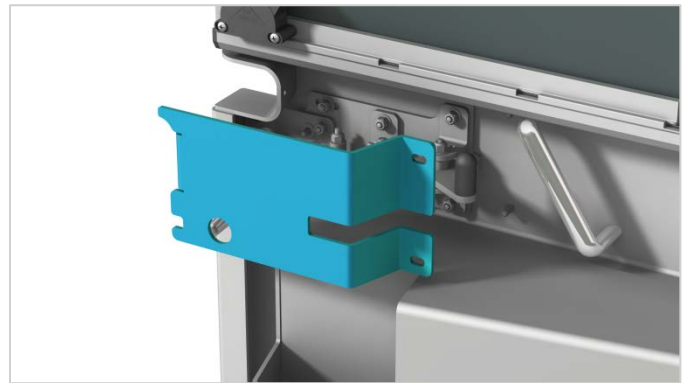


Figure 2 – Latch cover removal/replacement.

UPPER SLIDER TRACK



UPPER SLIDER TRACK ADJUSTMENT

Product:



Model:

Slide System



This document provides step-by-step instructions on how to make adjustments to upper slider track on the ArowGuard Slide System.



Upper Slider Track Adjustment

ArowGuard Slide System Service Procedures
Phone: 715.693.6020 | Fax: 715.693.7108 | askarowglobal@arowglobal.com

UPPER SLIDER TRACK

MODEL – SLIDE SYSTEM



TOOLS REQUIRED:

- Small flat blade screwdriver
- $\frac{7}{16}$ " Wrench
- $\frac{5}{32}$ " Hex key

UPPER SLIDER TRACK ADJUSTMENT

1. Using the small flat blade screwdriver, remove the plastic nut covers shown in **Figure 1**.

Retain the nut covers for reinstallation after adjustments have been made.

2. Loosen the nuts using $\frac{5}{32}$ " hex key and the $\frac{7}{16}$ " wrench. See **Figure 2** for hardware locations.

NOTE: Do not fully remove the nuts from the bolts.

3. Make horizontal adjustments to the slider track until the sliding sash is centered in the track. See **Figure 3**.

Make vertical adjustments to the slider track until there is approximately a $\frac{1}{16}$ " gap between the mating surfaces of the track liner and sliding sash. See **Figure 3**.

NOTE: If additional vertical adjustment is required, refer to the Lower Slider Track Adjustment procedure.

4. Tighten the lock nuts to 75 in-lbs using the $\frac{5}{32}$ " hex key and the $\frac{7}{16}$ " wrench. See **Figure 2**.
5. Slide the sash completely forward and backward to verify that it operates smoothly and without vibration. See **Figure 4**.
6. Repeat steps 2 – 4 if additional adjustment is required.
7. Replace the plastic nut covers upon completion of adjustments. See **Figure 1**.



Figure 1 – Removal/replacement of plastic nut covers.



Figure 2 – Loosening/tightening of nuts.

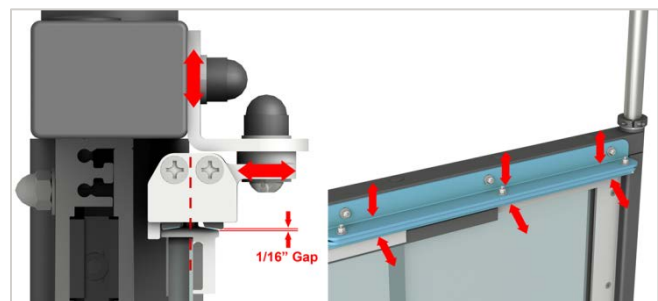


Figure 3 – Adjusting the slider track.



Figure 4 – Slide sash forward and backward.

Upper Slider Track Adjustment

LOWER SLIDER TRACK



LOWER SLIDER TRACK ADJUSTMENT

Product:



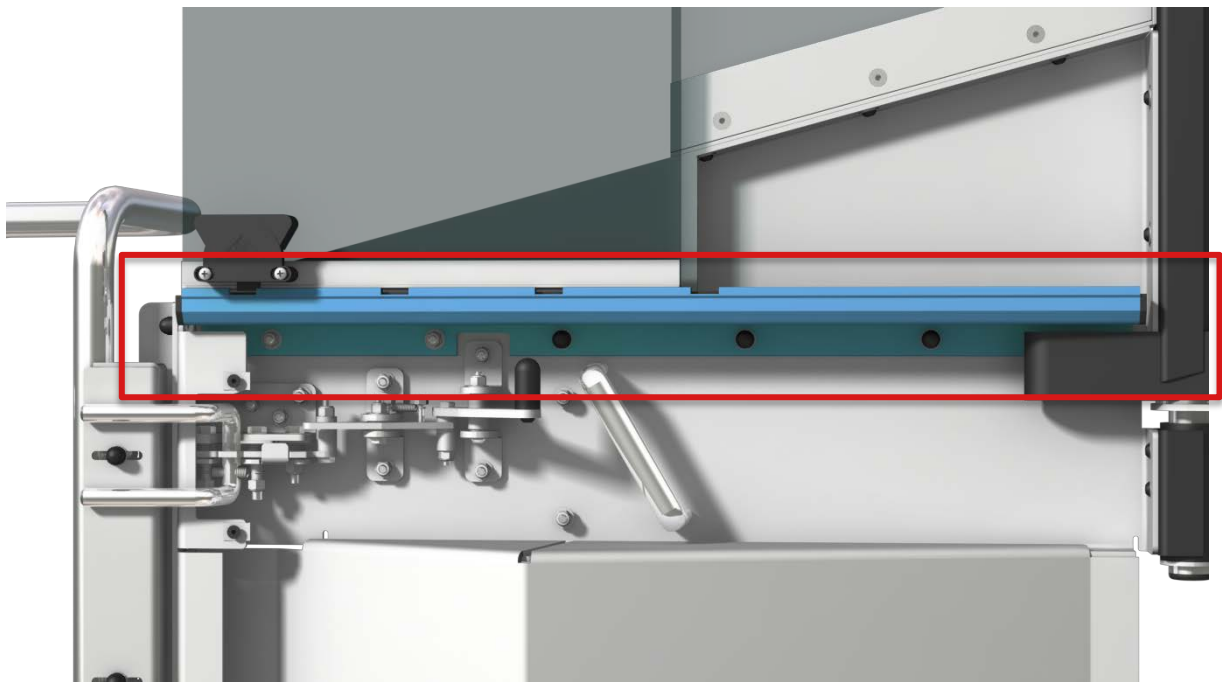
Model:

Slide System



This document provides step-by-step instructions on how to adjust the lower slider track on the ArowGuard Slide System.

NOTE: Adjustments should only be made to the lower track if adjustments to the upper track are not found to be adequate.



Upper Slider Track Adjustment

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LOWER SLIDER TRACK

MODEL – SLIDE SYSTEM



TOOLS REQUIRED:

- $\frac{1}{8}$ " Hex key
- $\frac{7}{16}$ " Wrench
- Small flat blade screwdriver

NOTE: Adjustments should only be made to the lower track if adjustments to the upper track are not found to be adequate.

LATCH COVER REMOVAL

1. Remove the latch cover. Reference the **Latch Cover Removal and Replacement** procedure for instructions.

LOWER SLIDER TRACK ADJUSTMENT

1. Remove the plastic nut covers using a small flat blade screwdriver. Reference **Figure 1** for their locations.
2. In order to lower/raise the lower slider track, loosen nuts using a $\frac{7}{16}$ " wrench. See **Figure 2** for location of nuts.

NOTE: Do not fully remove the nuts from the studs.

3. Lower/raise the lower slider track to allow for proper readjustment of the upper slider track. See **Figure 3**.
4. After locating the slider track in an acceptable position, tighten nuts to 75 in-lbs. using the $\frac{7}{16}$ " wrench. See **Figure 2** for location of nuts.
5. Reinstall the plastic nut covers. See **Figure 1**.

LATCH COVER REPLACEMENT

1. Reinstall the latch cover. Reference the **Latch Cover Removal and Replacement** procedure for instructions.

UPPER SLIDER TRACK ADJUSTMENT

1. Readjust upper slider track. Reference the **Upper Slider Track Adjustment** procedure for instructions.

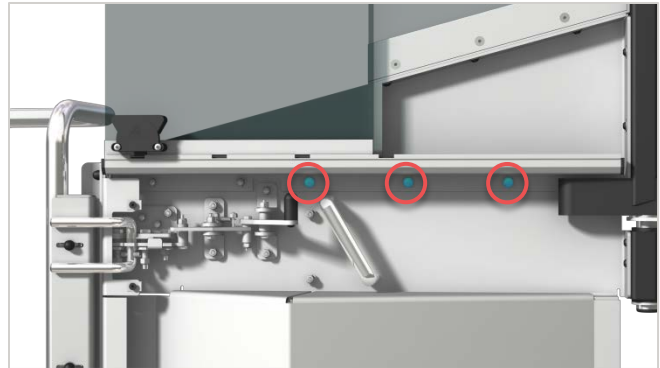


Figure 1 – Removal/replacement of plastic nut covers.

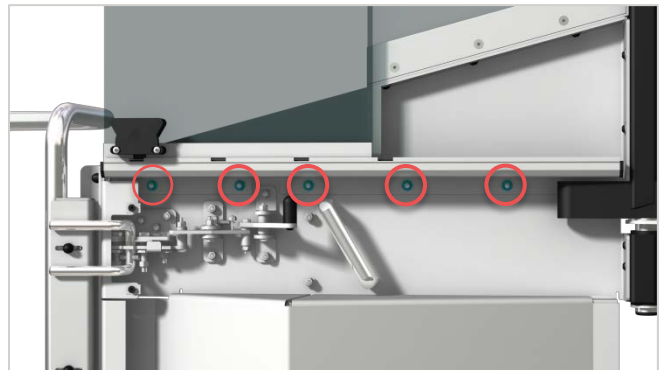


Figure 2 – Loosening/tightening of nuts.

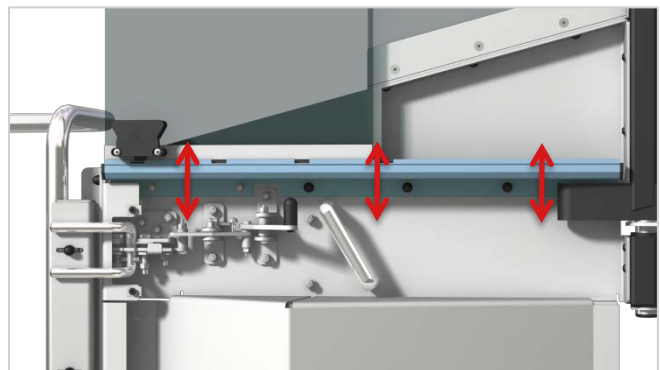


Figure 3 – Adjustment of slider track.

SLIDING SASH/FRONT GLAZING



SLIDING SASH / FRONT GLAZING REMOVAL AND REPLACEMENT

Product:

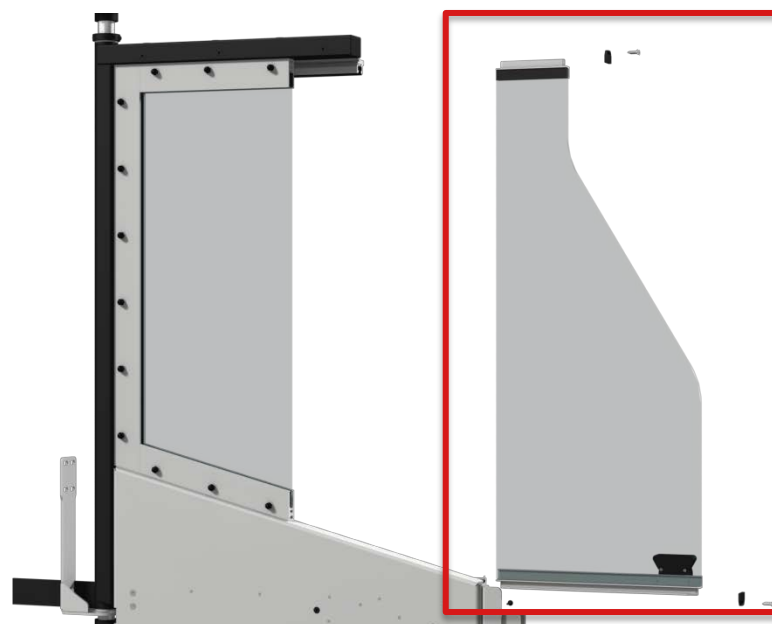


Model:

Slide System



This document provides step-by-step instructions on how to remove and replace the sliding sash/front glazing on the ArowGuard Slide System.



SLIDING SASH/FRONT GLAZING

MODEL – SLIDE SYSTEM



TOOLS REQUIRED:

- Torx T20 Screwdriver
- Loctite 243 Threadlocker

SLIDING SASH / FRONT GLAZING REMOVAL

1. Using the Torx T20 Screwdriver, remove the screws and stop plate on both the upper and lower slider tracks as shown in **Figure 1**. Retain the four (4) screws and two (2) stop plates for reinstallation after sash replacement.
2. Remove sliding sash by disengaging the rocker latch and sliding the sash gently outwards until it disengages from the top and bottom track. See **Figure 2**.

SLIDING SASH / FRONT GLAZING REPLACEMENT

1. Reinstall the sliding sash by sliding the lower T-rail into the lower slider track. Disengage the rocker latch and gently slide the sash inward. Align the upper T-rail and upper slide track. Continue sliding the sash inward until the slider sash stops can be reinstalled. See **Figure 2**.
2. Using the Torx T20 Screwdriver, install the two (2) stop plates and four (4) screws as shown in **Figure 1**. Tighten to a final torque of 23 in-lbs.

NOTE: Apply Loctite 243 Threadlocker to the screws prior to installation.

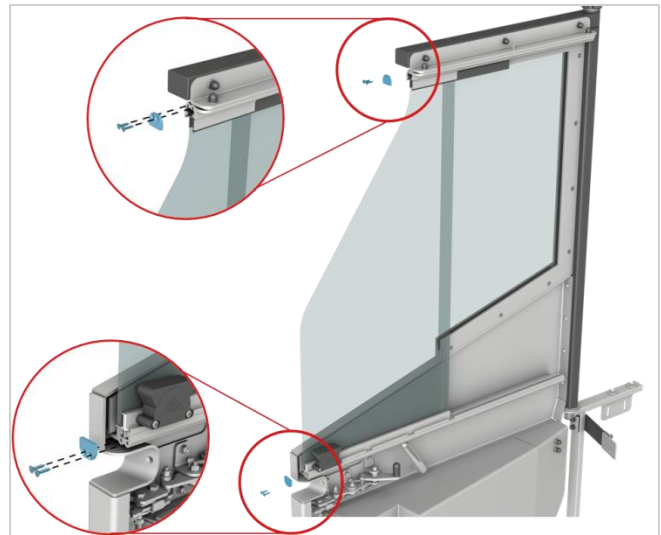


Figure 1 – Location of upper and lower stop plates.

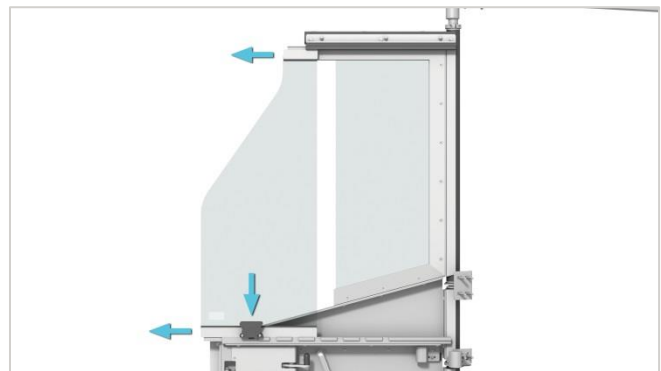


Figure 2 – Removal/replacement of sliding sash/front glazing.

FIXED GLASS



FIXED GLASS REMOVAL AND REPLACEMENT

Product:

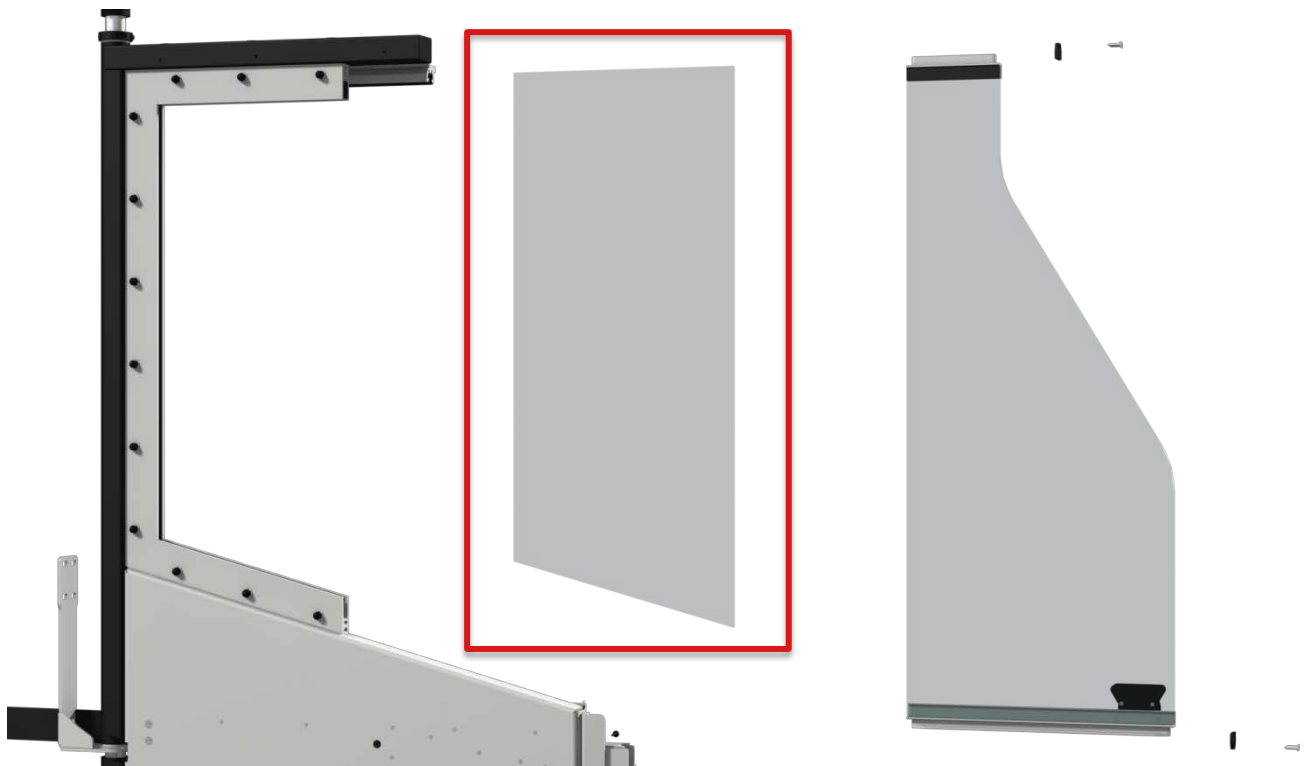


Model:

Slide System



This document provides step-by-step instructions on how to remove and replace the fixed glass on the ArowGuard Slide System.



Fixed Glass Removal and Replacement

ArowGuard Slide System Service Procedures
Phone: 715.693.6020 | Fax: 715.693.7108 | askarowglobal@arowglobal.com

FIXED GLASS: MODEL – SLIDE SYSTEM



TOOLS REQUIRED:

- $\frac{7}{16}$ " Wrench
- $\frac{5}{32}$ " Hex key
- Small flat blade screwdriver
- Plastic pry bar (used for automotive glass installation)
- Glass cleaner

SASH / FRONT GLAZING REMOVAL

1. Remove the sliding sash / front glazing. Reference the **Sliding Sash / Front Glazing Removal and Replacement** procedure for instructions.

UPPER SLIDER TRACK ASSEMBLY REMOVAL

1. Remove the plastic nut covers using a small flat blade screwdriver. Reference **Figure 1** for their locations.
2. Remove the nuts, washers and bolts using the $\frac{5}{32}$ " hex key and the $\frac{7}{16}$ " wrench. Reference **Figure 1** for their locations.

NOTE: Retain all hardware for reassembly.

FIXED GLASS REMOVAL

1. Using the $\frac{5}{32}$ " hex key and $\frac{7}{16}$ " wrench, loosen the bolts and acorn nuts as shown in **Figure 2**.
NOTE: Do not fully remove the nuts from the bolts.
2. Insert the plastic pry bar for automotive glass installation between the glass and clamp, as shown by the **blue bar** in **Figure 3**.

Pry the glass clamp away from the glass using the motion shown in **Figure 3**. The intention of this step is to break the bond of the three (3) clamps from the glass in order to facilitate easy glass removal.

NOTE: It may be necessary to pry the glass away from both sides of the clamp frame.

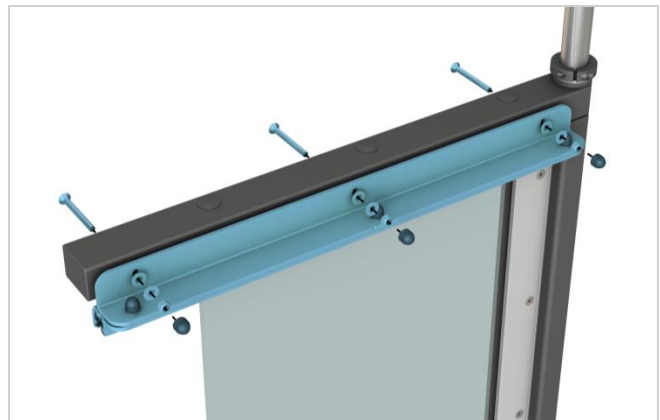


Figure 1 – Removal / replacement of nut covers, nuts, washers, and bolts.

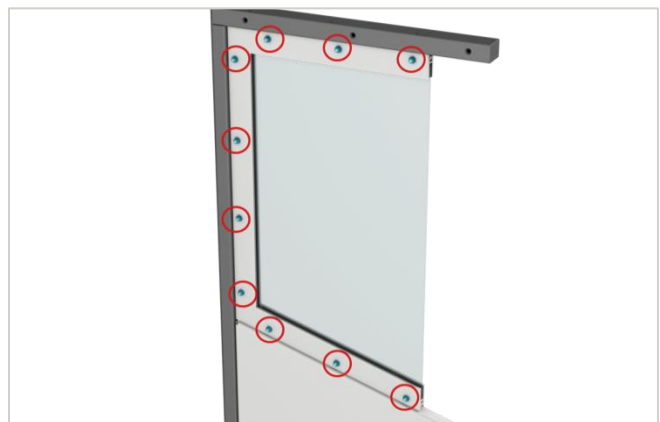


Figure 2 – Loosening / tightening of bolts and acorn nuts.

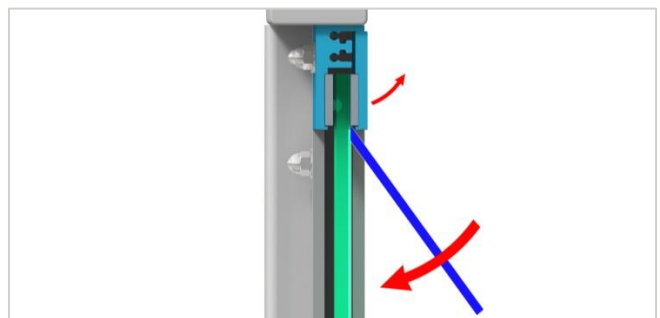


Figure 3 – Plastic pry bar position and motion.

3. Using the glass cleaner, generously spray along the edges of both sides of the glass to provide lubrication for removal.
4. Firmly grip glass and slide out of frame as shown in **Figure 4**.

FIXED GLASS REPLACEMENT

1. Using the glass cleaner, generously spray the entire glass channel to provide lubrication for glass installation.
2. Firmly grip glass and slide into the channel until it is fully seated into the frame. Reversal of **Figure 4**.
3. Using the $\frac{5}{32}$ " hex key and $\frac{7}{16}$ " wrench, tighten the bolts and nuts loosened in step 1 of **Fixed Glass Removal** to a final torque of 75 in-lbs.

Tighten bolts in the sequence shown in **Figure 5**.

UPPER SLIDER TRACK ASSEMBLY REPLACEMENT

1. Using the $\frac{5}{32}$ " hex key and $\frac{7}{16}$ " wrench, reattach and loosely tighten the bolts and nuts that were removed in step 1 of **Upper Slider Assembly Removal**. Reference **Figure 1** for their locations.

NOTE: Upper slider track will require adjustment after the sliding sash / front glazing is reinstalled.

SASH/FRONT GLAZING REPLACEMENT

1. Reinstall the sliding sash / front glazing. Reference the **Sliding Sash / Front Glazing Removal and Replacement** procedure for instructions.

UPPER SLIDER TRACK ASSEMBLY ADJUSTMENT

1. After reassembling all components, adjust the upper slider track assembly. Reference the **Upper Slider Track Adjustment** procedure for instructions.

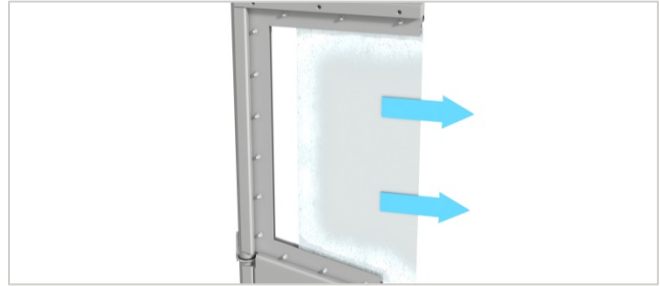


Figure 4 – Removal/replacement of fixed glass.



Figure 5 – Order sequence of bolt tightening.

TETHER STRAP



TETHER STRAP ADJUSTMENT

Product:

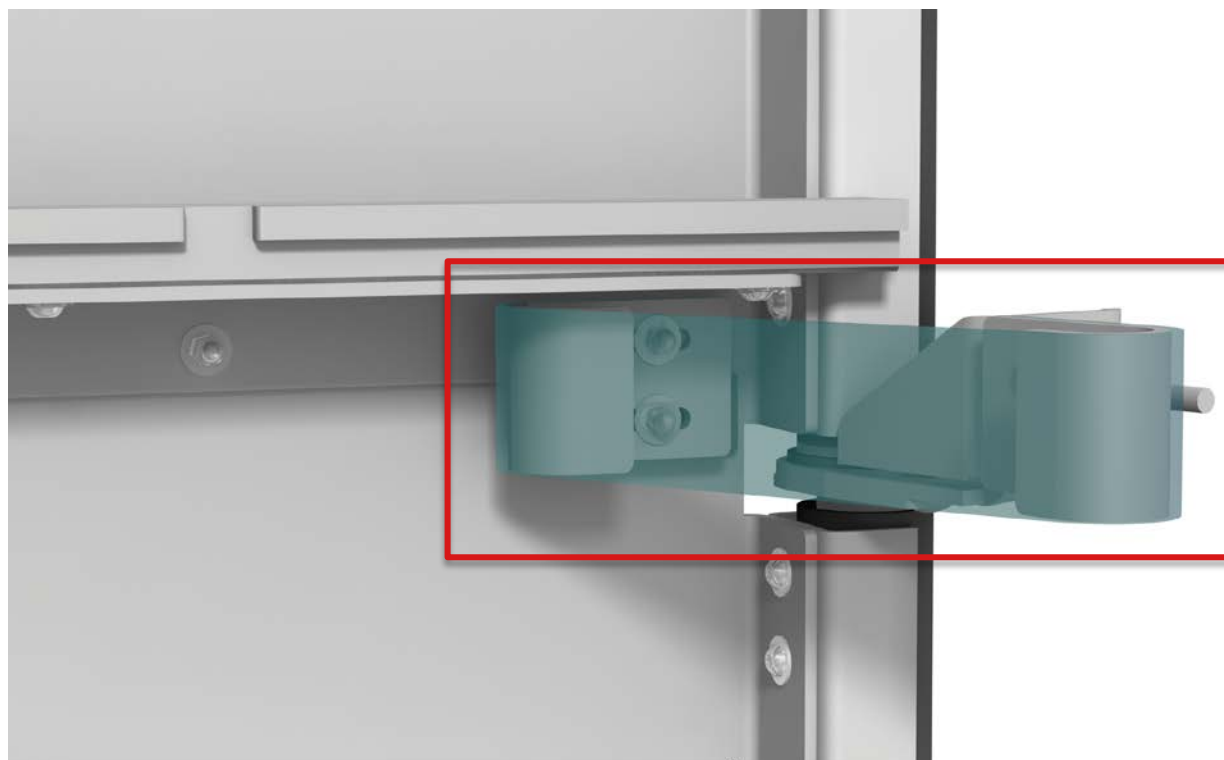


Model:

Slide System



This document provides step-by-step instructions on how to make adjustments to the tether strap on the ArowGuard Slide System.



Tether Strap Adjustment

ArowGuard Slide System Service Procedures
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TETHER STRAP

MODEL – SLIDE SYSTEM



TOOLS REQUIRED:

- $\frac{7}{16}$ " Wrench

TETHER STRAP ADJUSTMENT

1. Using the $\frac{7}{16}$ " wrench, remove the nuts and washers located behind the tether strap. See **Figure 1** for hardware location.
2. Remove the tether strap and tether strap retainer from the door.

To tighten the strap: place back onto the door utilizing the right hand slots.

To loosen the strap: place back onto the door utilizing the left hand slots.

Refer to **Figure 2** for location of slots.

3. Once the tether strap tension is satisfactory, use the $\frac{7}{16}$ " wrench to reinstall the nuts and washers. Tighten to a final torque of 75 in-lbs. See **Figure 1** for hardware location.

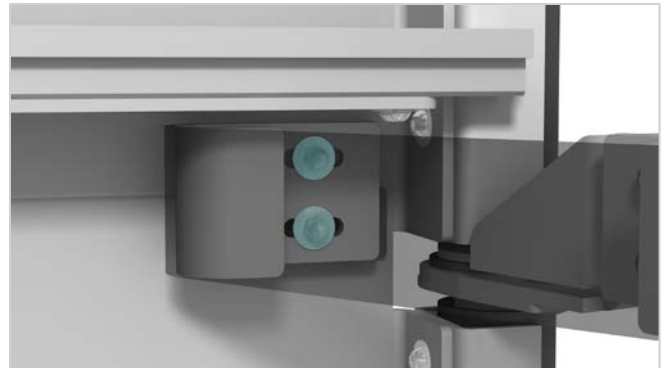


Figure 1 – Nuts and washers behind strap.

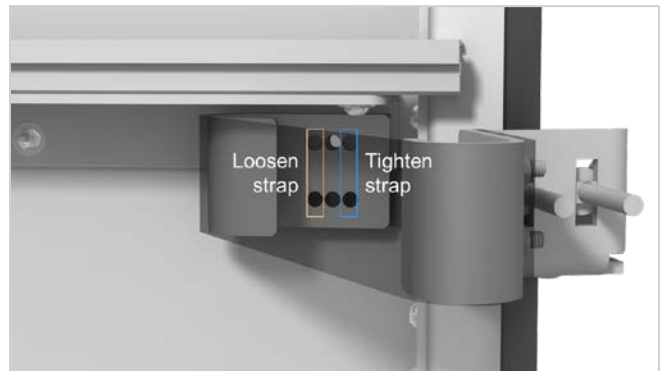


Figure 2 – Slots to loosen or tighten strap.



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